Nuclear Instruments and Methods in Physics Research A283 (1989) 817–839
North-Holland, Amsterdam

AUTHOR INDEX

Abe, K., see Fujii, Y. . . . A283 (1989) 665
Adler, J., T. Bolton, K. Bunnell, E. Cheu, C. Grab, G. Mazaheri, A. Odian, D. Pitman, W. Stockhausen, W. Toki, W. Wadley, C. Wood and R. Mir, Study of straw chamber lifetime with argon ethane . . . A283 (1989) 679
Adolf, M., see Rosenzweig, J. . . . A283 (1989) 255
Agrinskaya, N.V. and E.N. Arkadeva, Fermi level pinning in the middle of the band gap in CdTe:Cl crystals: role of deep localized states . . . A283 (1989) 260
Agrinskaya, N.V. and O.A. Matveev, On the close compensation mechanism in CdTe(Li, Cl) crystals . . . A283 (1989) 263
Akei, M., J.F. Amann, J. Chiba, H. Ejiri, M. Fukuda, T. Fukuda, O. Hashimoto, S. Homma, T. Irie, Y. Iseki, A. Kashitani, S. Kato, K. Kimura, T. Kishimoto, K. Maeda, Y. Matsuyama, J.A. McGill, T. Nagae, H. Nagasawa, C. Nagoshi, M. Nomachi, H. Noumi, H. Ohsumi, K. Okuda, K. Omata, H. Sano, O. Sasaki, T. Shibata, F. Soga, F. Takeuchi, H.A. Thiessen, S. Toyama, K.H. Tanaka, Y. Yamanoi and N. Yoshikawa, A broad range spectrometer PIK for medium-energy meson spectroscopy . . . A283 (1989) 46
Albee, A.L., see Bradley, J.G. . . . A283 (1989) 348
Alexander, J.P., R. Baggs, D. Fujino, K. Hayes, C. Hoard, N. Hower, D. Hutchinson, J.A. Jaros, D. Koetke, L.A. Kowalski, C.T. Munger, T. Ohama, M.L. Perl, R. Wright, P.S. Drell, R. Fuzesy, R. Harr, J.F. Kral, J.D. Richman, B.A. Schumm, G.H. Trilling, W.T. Ford, D.A. Hinshaw, J.G. Smith, S.R. Wagner and P. Weber, The MARK-II vertex drift chamber . . . A283 (1989) 519
Alitti, J., R.E. Ansorge, P. Bareyre, G. Blaylock, P. Bonamy, C.N. Booth, J. Crittenden, R.S. DeWolf, J. Dupont, K. Einsweiler, C. Engster, J.-M. Gaillard, K. Hultqvist, M. Lefebvre, L. Linssen, J.-P. Meyer, D.J. Munday, J.M. Pentney, J.G. Rushbrooke, A. Stirling, A.R. Weidberg, P.S. Wells, D.R. Wood, S.A Wotton, T.O. White and H. Zaccone, Performance of the UA2 scintillating-fibre detector . . . A283 (1989) 646
Álvarez de Lara, P., see Garabatos, C. . . . A283 (1989) 553
Álvarez de Lara, P., see Cherney, M. . . . A283 (1989) 796
Alves, M.A.F., see Ribeiro, R.S. . . . A283 (1989) 705
Amann, J.F., see Akei, M. . . . A283 (1989) 46
Amendolia, S.R., T. Barczewski, L.A.T. Bauerdick, E. Blucher, W. Blum, J. Boudreau, D. Cinabro, M.A. Ciocci, J. Conway, D.F. Cowen, F. Fidecaro, B. Gobbo, A. Halley, S. Haywood, A. Jahn, R. Johnson, M. Kasemann, U. Larsson, B. Leclaire, I. Lehraus, T. Lohse, A. Lusiani, P.S. Marrocchesi, J. May, E. Milotti, A. Minten, J. Richstein, R. Richter, S. Roehn, L. Rolandi, D. Schlatter, M. Schmelling, R. Settles, G. Stefanini, F. Steeg, M. Takashima, W. Tejessy, J. Thomas, A. Vayaki, J. Wear, W. Witzeling, S.L. Wu and S. Xue, The spatial resolution of the ALEPH TPC . . . A283 (1989) 573
Amery, A., M. Baubillier, S.F. Biagi, P.S.L. Booth, M. Boratov, L. Brault, J.E. Campagne, L.J. Carroll, L. Cerrito, V. Chorowicz, C. De la Vassiere, L.S. Curwen, D.N. Edwards, S.C. Gawne, C. Geara, J.F. Genat, R. Gokieli, B. Grossetete, M.A. Houlden, J.N. Jackson, B.T. King, S. Palma Lopes, R. Pain, W.H. Range, D.W. Reid, F. Rossel, J. Thornhill, P.R. Turner, L. Wilkinson and R. Zitoun, The DELPHI outer detector . . . A283 (1989) 502
Anashkin, E.V., V.M. Aulchenko, S.E. Baru, V.E. Fedorenko, G.V. Fedotovich, B.I. Khazin, G.A. Savinov, I.G. Snopkov, E.P. Solodov, V.G. Zavarzin and Yu.V. Yudin, A coordinate system of the CMD-2 detector . . . A283 (1989) 752
Andersen, E., see Garabatos, C. . . . A283 (1989) 553
Andersen, E., see Cherney, M. . . . A283 (1989) 796
Anderson, B.E., D.J. Attree, A. Charalambous, R. Cranfield, M. Cresswell, G. Crone, G.M. Dallavalle, M. Dryburgh, B.W. Kennedy, D. Hayes, L. Marradi, D.J. Miller, P. Sherwood, E. Spreadbury, N.C. Wood and K.K. Young, Compact drift-chambers for the OPAL forward detectors . . . A283 (1989) 650
Andrews, H., see Faruqi, A.R. . . . A283 (1989) 445
Angelini, F., R. Bellazzini, A. Brez, M.M. Massai and M.R. Torquati, Bone densitometry with a high-speed, high-resolution MWPC . . . A283 (1989) 423
Angelini, F., R. Bellazzini, A. Brez, M.M. Massai, G. Spandre and M.R. Torquati, A microstrip gas avalanche chamber with two-dimensional readout . . . A283 (1989) 755
Angelis, A.L.S., H. Beker, J.C. Berset, G. Di Tore, C.W. Fabjan, U. Goerlach, C. Leroy, M. Price, V. Radeka, B. Sellden, V. Tcherniatine and W.J. Willis, Test results with a novel high-resolution wire chamber with interpolative pad readout . . . A283 (1989) 762
Ansorge, R.E., see Alitti, J. . . . A283 (1989) 646
Antilogus, P., see Brand, C. . . . A283 (1989) 567
Appuhn, R.D., see Michel, E. . . . A283 (1989) 544

0168-9002/89/$03.50 © Elsevier Science Publishers B.V.
(North-Holland Physics Publishing Division)

Arends, J., see Huthmacher, S. ... A283 (1989) 454
Aria, E., see Van Apeldoorn, G. ... A283 (1989) 767
Arkadeva, E.N., see Agrinskaya, N.V. ... A283 (1989) 260
Astakhov, A.Ya., Yu.A. Batusov, Gy.L. Bencze, I. Farago, A. Kisváradi, L. Molnar, L.M. Soroko and J. Vegh, Meso-optical Fourier transform microscope – A new device for high energy physics ... A283 (1989) 13
Aston, D., A. Bean, T. Bienz, F. Bird, D. Caldwell, M. Cavalli-Sforza, P. Coyle, D. Coyne, S. Dasu, W. Dunwoodie, G. Hallewell, K. Hasegawa, J. Huber, P. Jacques, R.A. Johnson, H. Kawahara, P. Korff, Y. Kwon, D. Leith, A. Lu, J. Martinez, L. Mathys, S. McHugh, B. Meadows, M. Nussbaum, R. Morrison, R. Plano, B. Ratcliff, P. Rensing, D. Schultz, S. Shapiro, A. Shoup, C. Simopoulos, E. Solodov, P. Stamer, I. Stockdale, N. Toge, J. Va'vra, D.A. Williams, S. Williams, M. Witherell, R.J. Wilson, J. Whitaker, S. Yellin and H. Yuta, Development and construction of the SLD Cherenkov ring-imaging detector ... A283 (1989) 582
Aston, D., A. Bean, T. Bienz, F. Bird, D. Caldwell, M. Cavalli-Sforza, P. Coyle, D. Coyne, S. Dasu, W. Dunwoodie, G. Hallewell, K. Hasegawa, J. Huber, P. Jacques, R.A. Johnson, H. Kawahara, Y. Kwon, D. Leith, A. Lu, J. Martinez, L. Mathys, S. McHugh, B. Meadows, M. Nussbaum, R. Morrison, R. Plano, B. Ratcliff, P. Rensing, D. Schultz, S. Shapiro, A. Shoup, C. Simopoulos, M. Sokoloff, E. Solodov, P. Stamer, I. Stockdale, N. Toge, J. Va'vra, D.A. Williams, S. Williams, M. Witherell, R.J. Wilson, J. Whitaker, S. Yellin and H. Yuta, Development of the CRID single-electron wire detector ... A283 (1989) 590
Attree, D.J., see Anderson, B.E. ... A283 (1989) 650
Aubret, C., see Brand, C. ... A283 (1989) 567
Augustin, J.E., see Brand, C. ... A283 (1989) 567
Aulchenko, V.M., A.G. Chilingarov, G.M. Kolachev, O.B. Lazarenko, V.P. Nagaslaev and L.V. Romanov, Vertex chamber for the KEDR detector ... A283 (1989) 528
Aulchenko, V.M., see Anashkin, E.V. ... A283 (1989) 752
Avundjian, A.T., S.A. Kankanian, A.G. Oganessian and L.M. Petrossian, Beam identifier ... A283 (1989) 612

Babaev, A., see Michel, E. ... A283 (1989) 544
Baggs, R., see Alexander, J.P. ... A283 (1989) 519
Baksay, L., see Nemethy, P. ... A283 (1989) 578
Ball, S., see Michel, E. ... A283 (1989) 544
Bandettini, A., see Bollini, D. ... A283 (1989) 635
Barczewski, T., see Amendolia, S.R. ... A283 (1989) 573
Barday, S., see Friant, A. ... A283 (1989) 318
Bareyre, P., see Alitti, J. ... A283 (1989) 646
Barnes, P.D., see Garabatos, C. ... A283 (1989) 553
Barnes, P.D., see Cherney, M. ... A283 (1989) 796
Barrandon, G., see Friant, A. ... A283 (1989) 227
Bärring, O., see Brand, C. ... A283 (1989) 567
Baru, S.E., A.G. Khabakhpashev and L.I. Shekhtman, Multiwire proportional chamber for a digital radiographic installation ... A283 (1989) 431
Baru, S.E., see Anashkin, E.V. ... A283 (1989) 752
Bärwolff, H., U. Gensch, U. Harder, H. Henschel, H. Kaufmann, M. Klein, P. Kostka, H. Lippold, J. Meissner, T. Naumann and M. Winde, Performance of prototypes of the H1 outer z-drift chamber ... A283 (1989) 467
Bateman, J.E., J.F. Connolly, R. Stephenson, P.K. Marsden, R.J. Ott and J. Suckling, Development studies for a high-rate positron camera based on a BaF_2/TMAE system ... A283 (1989) 436
Batusov, Yu.A., see Astakhov, A.Ya. ... A283 (1989) 13
Baubillier, M., see Amery, A. ... A283 (1989) 502
Bauerdick, L.A.T., see Amendolia, S.R. ... A283 (1989) 573
Bean, A., see Aston, D. ... A283 (1989) 582
Bean, A., see Aston, D. ... A283 (1989) 590
Beck, G.A., J.B. Dainton, E. Gabathuler, P. Mason, M.T. Matthews, S.J. Maxfield, J.M. Morton, G.D. Patel and D.P.C. Sankey, Radial wire drift chambers for the H1 forward track detector at HERA: design, construction and performance ... A283 (1989) 471
Beck, G.A., see Grässler, H. ... A283 (1989) 622
Beker, H., see Angelis, A.L.S. ... A283 (1989) 762
Bellazzini, R., see Angelini, F. ... A283 (1989) 423
Bellazzini, R., see Angelini, F. ... A283 (1989) 755
Bencze, Gy.L., see Astakhov, A.Ya. ... A283 (1989) 13
Berlev, A.I., V.A. Krasnov, V.I. Kovinsky, O.O. Patarakin, M.A. Prokhvatilov, A.F. Sustavov and A.V. Shul'ginov, The AMPIR spectrometer drift chamber for studying pion–nucleus reactions ... A283 (1989) 614
Bernardini, P., see Bertino, M. ... A283 (1989) 654
Berset, J.C., see Angelis, A.L.S. ... A283 (1989) 762

Berst, J.D., see Van Apeldoorn, G. A283 (1989) 767
Bertino, M., R. Cardarelli, M. Iori, F. Massa, R. Santonico, P. Bernardini, E. Gorini, F. Grancagnolo, O. Palamara, C. Pinto, G. Bressi, G. Introzzi, A. Lanza and G. Liguori, Performance of resistive plate counters at beam flux up to 140 Hz/cm^2 ..... A283 (1989) 654
Betker, A.C. and C.A. Gagliardi, A new approach to magnetic spectrometers A283 (1989) 67
Beyerle, A.G., see Patt, B.E. A283 (1989) 215
Beyerle, A.G., see Gerrish, V.M. A283 (1989) 220
Biagi, S.F., see Amery, A. A283 (1989) 502
Biagi, S.F., A multiterm Boltzmann analysis of drift velocity, diffusion, gain and magnetic-field effects in argon–methane–water-vapour mixtures A283 (1989) 716
Bienz, T., see Aston, D. A283 (1989) 582
Bienz, T., see Aston, D. A283 (1989) 590
Biglari, B., see Samimi, M. A283 (1989) 243
Biglari, B., M. Samimi, M. Hage-Ali, J.M. Koebel and P. Siffert, The interaction of copper with structural defects in THM grown cadmium telluride A283 (1989) 249
Biglari, B., see Siffert, P. A283 (1989) 363
Billoir, P., see Brand, C. A283 (1989) 567
Bird, F., see Aston, D. A283 (1989) 582
Bird, F., see Aston, D. A283 (1989) 590
Birkholz, U., see Rosenzweig, J. A283 (1989) 255
Bizzarri, R., F. Cesaroni, S. Gentile, G. Lunadei, M. Fukushima, G. Herten and T. Hebbeker, The L3 energy trigger A283 (1989) 799
Bjelkhagen, H., see Naon, R. A283 (1989) 24
Blaes, R., see Garabatos, C. A283 (1989) 553
Blaes, R., see Cherney, M. A283 (1989) 796
Blaylock, G., see Alitti, J. A283 (1989) 646
Bloch, D., see Van Apeldoorn, G. A283 (1989) 767
Blucher, E., see Amendolia, S.R. A283 (1989) 573
Blum, W., see Amendolia, S.R. A283 (1989) 573
Bock, P., see Fischer, H.M. A283 (1989) 492
Bock, P. and G. Tysarczyk, Fast on-line pattern recognition in a microprocessor farm A283 (1989) 813
Bollini, D., F.R. Cavallo, P. Giusti, F.-L. Navarria, T. Rovelli, A. Del Guerra, A. Bandettini, M. Conti, P. Lauriola, P. Maiano, C. Rizzo and D. Rizzi, A lead-glass drift calorimeter with high granularity A283 (1989) 635
Bolognese, T., see Brand, C. A283 (1989) 567
Bolton, T., see Adler, J. A283 (1989) 679
Bonamy, P., see Alitti, J. A283 (1989) 646
Bonner, B.E., see Etkin, A. A283 (1989) 557
Booth, C.N., see Alitti, J. A283 (1989) 646
Booth, P.S.L., see Amery, A. A283 (1989) 502
Boratov, M., see Amery, A. A283 (1989) 502
Borgeaud, P., see Brand, C. A283 (1989) 567
Bosi, F., G. Carboni, V. Cavasinni, F. Costantini, T. Del Prete, E. Iacopini, S. Lami, P. Lariccia, M. Morganti, C. Petridou, D. Rizzi, A. Sassu and M. Valdata-Nappi, Performance of the UA2 jet vertex detector at the CERN Collider A283 (1989) 532
Bouclier, R., J. Gaudaen, I. Gouz, B. Guerard, J.C. Santiard, F. Sauli and R. Wojcik, Recent developments of the multidrift tube A283 (1989) 509
Bouclier, R., see Solomey, N. A283 (1989) 673
Boudreau, J., see Amendolia, S.R. A283 (1989) 573
Boutonnet, C., see Brand, C. A283 (1989) 567
Boyarski, A., D.P. Coupal, G.J. Feldman, G. Hanson, J. Nash, K.F. O'Shaughnessy, P. Rankin and R. Van Kooten, Particle identification using dE/dx in the MARK II detector at the SLC A283 (1989) 617
Braatz, U., R. Krahl, J. Kunsch, K. Prokert and P. Klinger, Optoelectronic switches on the basis of mercuric iodide A283 (1989) 240
Bradley, J.G., J.M. Conley, A.L. Albee, J.S. Iwanczyk, A.J. Dabrowski and W.K. Warburton, Practical application of HgI_2 detectors to a space-flight scanning electron microscope A283 (1989) 348
Brand, C., S. Cairanti, P. Charpentier, D. Delikaris, P. Delpierre, H. Foeth, B.W. Heck, H.J. Hilke, A. Sancho, J. Wildman, C. Aubret, P. Billoir, C. Boutonnet, P. Courty, M. Crozon, A. Diaczek, J. Mas, L. Mathis, G. Saget, A. Tilquin, J.P. Turlot, P. Vergezac, P. Antilogus, J.E. Augustin, M. Gaillard, M.H. Gros, A. Hrisoho, B. Jean-Marie, V. Lepeltier, J.M. Noppe, F. Richard, K. Truong, T. Bolognese, P. Borgeaud, M. Debeer, G. Goujon, M. Gros, P. Jarry, M. Mur, J.C. Raoul, V. Ruhlmann, Y. Sacquin, P. Siegrist, G. Smadja, M. Turluer, D. Vilanova, G. Darbo, O. Bärring, G. Jarlskog, S. Käck, B. Lorstadt and U. Mjörnmark, The DELPHI time projection chamber A283 (1989) 567

Brault, L., see Amery, A. ... A283 (1989) 502
Braun, H., see Garabatos, C. ... A283 (1989) 553
Braun, H., see Cherney, M. ... A283 (1989) 796
Breskin, A., see Fonte, P. ... A283 (1989) 658
Bressi, G., see Bertino, M. ... A283 (1989) 654
Breuker, H., see Fischer, H.M. ... A283 (1989) 492
Brez, A., see Angelini, F. ... A283 (1989) 423
Brez, A., see Angelini, F. ... A283 (1989) 755
Bricman, C., see Stichelbaut, F. ... A283 (1989) 792
Brisson, P., see Cadoret, R. ... A283 (1989) 339
Brom, J.M., see Garabatos, C. ... A283 (1989) 553
Brom, J.M., see Cherney, M. ... A283 (1989) 796
Brooks, C.B., see ZEUS-UK Collaboration ... A283 (1989) 477
Bruder, M., see Siffert, P. ... A283 (1989) 363
Buchanan, J.A., see Etkin, A. ... A283 (1989) 557
Buchmüller, J., see Michel, E. ... A283 (1989) 544
Bullock, F.W., see ZEUS-UK Collaboration ... A283 (1989) 477
Bunnell, K., see Adler, J. ... A283 (1989) 679
Burger, A., S. Morgan, H. Jiang, E. Silberman, M. Schieber, L. Van den Berg, L. Keller and C.N.J. Wagner, A study of mercuric iodide near melting using differential scanning calorimetry, Raman spectroscopy and X-ray diffraction ... A283 (1989) 130
Burger, A., W. Shi, E. Silberman, L. Franks and W.F. Schnepple, The photocapacitance of the HgI_2/electrolyte system ... A283 (1989) 232
Burnstein, R., see Naon, R. ... A283 (1989) 24
Buytaert, J., see Stichelbaut, F. ... A283 (1989) 792

Cadoret, R., P. Brisson and A. Magnan, HgI_2 nucleation experiments performed in the SL1 and SL3 (space laboratory) flights ... A283 (1989) 339
Cairanti, S., see Brand, C. ... A283 (1989) 567
Caldwell, D., see Aston, D. ... A283 (1989) 582
Caldwell, D., see Aston, D. ... A283 (1989) 590
Campagne, J.E., see Amery, A. ... A283 (1989) 502
Campbell, A.B., see Harihar, P. ... A283 (1989) 62
Carboni, G., see Bosi, F. ... A283 (1989) 532
Cardarelli, R., see Bertino, M. ... A283 (1989) 654
Carli, Ch., Ch. Erd, G. Leder, M. Pernicka, M. Regler and B. Schnizer, Wire- and cathode pulses in a counter of square cross section with a thin wire as central conductor operating in limited streamer mode ... A283 (1989) 723
Carroll, L.J., see Amery, A. ... A283 (1989) 502
Cashmore, R.J., see ZEUS-UK Collaboration ... A283 (1989) 477
Castaño, B., see Garabatos, C. ... A283 (1989) 553
Castaño, B., see Cherney, M. ... A283 (1989) 796
Cavalli-Sforza, M., see Aston, D. ... A283 (1989) 582
Cavalli-Sforza, M., see Aston, D. ... A283 (1989) 590
Cavallo, F.R., see Bollini, D. ... A283 (1989) 635
Cavasinni, V., see Bosi, F. ... A283 (1989) 532
Cecchi, A. and P. Sona, Self-supporting ruthenium targets by electroplating (*Letter to the Editor*) ... A283 (1989) 107
Cerrina, F., see Chapman, K. ... A283 (1989) 88
Cerrito, L., see Amery, A. ... A283 (1989) 502
Cesaroni, F., see Bizzarri, R. ... A283 (1989) 799
Chan, C.S., see Etkin, A. ... A283 (1989) 557
Chapman, K., B. Lai, F. Cerrina and J. Viccaro, Modelling of undulator sources ... A283 (1989) 88
Charalambous, A., see Anderson, B.E. ... A283 (1989) 650
Charpak, G., Will gaseous detectors become routine tools in biology and medicine? ... A283 (1989) 371
Charpak, G., W. Dominik, Y. Giomataris, A. Gougas and F. Sauli, A gamma ring-imaging telescope for high-energy photon detection ... A283 (1989) 596
Charpak, G., see Fonte, P. ... A283 (1989) 658
Charpak, G., see Solomey, N. ... A283 (1989) 673
Charpak, G., see Peskov, V. ... A283 (1989) 786
Charpentier, P., see Brand, C. ... A283 (1989) 567
Chen, L.Y., K.H. Xiang, Z.Y. Wei, Z.F. He and Z.W. Yin, Positron annihilation study of the radiation effect on doped BGO ... A283 (1989) 43

Cheng, A.Y., see Markakis, J.M. A283 (1989) 236
Cheremukhina, G.A., see Zanevsky, Yu.V. A283 (1989) 462
Chernenko, S.P., see Zanevsky, Yu.V. A283 (1989) 462
Cherney, M., see Garabatos, C. A283 (1989) 553
Cherney, M., representing the NA36 Collaboration: P. Álvarez de Lara, E. Andersen, P.D. Barnes, R. Blaes, H. Braun, J.M. Brom, B. Castaño, M. Cherney, M. Cohler, B. De la Cruz, G.E. Diebold, C. Fernández, G. Franklin, C. Garabatos, J.A. Garzón, W.M. Geist, D.E. Greiner, C.R. Gruhn, M. Hafidouni, M. Heiden, C.P. De los Heros, J. Hubrec, D. Huss, J.L. Jacquot, P.G. Jones, J.P.M. Kuipers, P. Ladrón de Guevara, D. Liko, G. Lovhoiden, J. MacNaughton, A. Michalon, M.E. Michalon-Mentzer, J. Mosquera, Z. Natkaniec, J.M. Nelson, G. Neuhofer, M. Pló, P. Porth, B. Powell, B. Quinn, A. Ramil, J.L. Riester, H. Rohringer, G. Sakrejda, I. Sakrejda, R. Schumacher, T. Thorsteinsen, J. Traxler, C. Voltolini, Y. Xia, A. Yanëz, P. Yepes and R. Zybert, High-speed readout for a time projection chamber in the NA36 data acquisition system A283 (1989) 796
Chesi, E., P. Martinengo, F. Piuz and T.D. Williams, Fast RICHdetector using a MWPC at atmospheric pressure with a pad structure readout by VLSI circuits A283 (1989) 602
Cheu, E., see Katayama, N. A283 (1989) 539
Cheu, E., see Adler, J. A283 (1989) 679
Chiba, J., see Akei, M. A283 (1989) 46
Chilingarov, A.G., see Aulchenko, V.M. A283 (1989) 528
Chiou, C.N., see Etkin, A. A283 (1989) 557
Chorowicz, V., see Amery, A. A283 (1989) 502
Christophel, E., see Van Apeldoorn, G. A283 (1989) 767
Chrusch Jr., P., see Jibaly, M. A283 (1989) 692
Cinabro, D., see Amendolia, S.R. A283 (1989) 573
Ciocci, M.A., see Amendolia, S.R. A283 (1989) 573
Cirignano, L., see Squillante, M.R. A283 (1989) 323
Clement, J.M., see Etkin, A. A283 (1989) 557
Cohler, M., see Garabatos, C. A283 (1989) 553
Cohler, M., see Cherney, M. A283 (1989) 796
Conder, K. and J. Laskowski, The vapour transport mechanism during crystallization of HgI_2 in closed ampoules A283 (1989) 138
Conley, J.M., see Bradley, J.G. A283 (1989) 348
Connolly, J.F., see Bateman, J.E. A283 (1989) 436
Conti, M., see Bollini, D. A283 (1989) 635
Conway, J., see Amendolia, S.R. A283 (1989) 573
Corbel, C., see Nicolau, Y.F. A283 (1989) 167
Corcoran, M.D., see Etkin, A. A283 (1989) 557
Costantini, F., see Bosi, F. A283 (1989) 532
Coupal, D.P., see Boyarski, A. A283 (1989) 617
Courty, P., see Brand, C. A283 (1989) 567
Cowen, D.F., see Amendolia, S.R. A283 (1989) 573
Coyle, P., see Aston, D. A283 (1989) 582
Coyle, P., see Aston, D. A283 (1989) 590
Coyne, D., see Aston, D. A283 (1989) 582
Coyne, D., see Aston, D. A283 (1989) 590
Cranfield, R., see Anderson, B.E. A283 (1989) 650
Cresswell, M., see Anderson, B.E. A283 (1989) 650
Crittenden, J., see Alitti, J. A283 (1989) 646
Crone, G., see Anderson, B.E. A283 (1989) 650
Crozon, M., see Brand, C. A283 (1989) 567
Csakvary, E., see Friant, A. A283 (1989) 227
Curwen, L.S., see Amery, A. A283 (1989) 502
Cuzin, M., C. Pierrat and E. Rossa, Mésures picoseconde avec des couches polycrystallines de CdTe photoconducteur A283 (1989) 310

Dabrowski, A.J., see Bradley, J.G. A283 (1989) 348
Dainton, J.B., see Beck, G.A. A283 (1989) 471
Dainton, J.B., see Grässler, H. A283 (1989) 622
Dallavalle, G.M., see Anderson, B.E. A283 (1989) 650
Danilov, M., see Michel, E. A283 (1989) 544
Darbo, G., see Brand, C. A283 (1989) 567
Dasu, S., see Aston, D. A283 (1989) 582

Dasu, S., see Aston, D. ... A283 (1989) 590
Daubie, E., see Stichelbaut, F. ... A283 (1989) 792
De Clercq, C., see Stichelbaut, F. ... A283 (1989) 792
De Fraga, F.A.F., R. Ferreira Marques and A.J.P.L. Policarpo, Time and positioning characteristics of the SQS mode ... A283 (1989) 778
De la Cruz, B., see Garabatos, C. ... A283 (1989) 553
De la Cruz, B., see Cherney, M. ... A283 (1989) 796
De la Vassiere, C., see Amery, A. ... A283 (1989) 502
De Lima, E.P., see Ribeiro, R.S. ... A283 (1989) 705
De los Heros, C.P., see Garabatos, C. ... A283 (1989) 553
De los Heros, C.P., see Cherney, M. ... A283 (1989) 796
Debbe, R., J. Fischer, D. Lissauer, T. Ludlam, D. Makowiecki, V. Radeka, S. Rescia, G.C. Smith, D. Stephani and B. Yu, A MWPC with highly segmented cathode pad readout ... A283 (1989) 772
Debeer, M., see Brand, C. ... A283 (1989) 567
Defontaines, F., see Stichelbaut, F. ... A283 (1989) 792
Dejardin, M., J. Derre, J.L. Faure, C. Guyot and G. Marel, Characteristics of the CPLEAR drift chambers ... A283 (1989) 484
Del Guerra, A., see Bollini, D. ... A283 (1989) 635
Del Prete, T., see Bosi, F. ... A283 (1989) 532
Delikaris, D., see Brand, C. ... A283 (1989) 567
Delpierre, P., see Brand, C. ... A283 (1989) 567
Derevshchikov, A.A., see Erin, S.V. ... A283 (1989) 682
Derre, J., see Dejardin, M. ... A283 (1989) 484
DeSalvo, R., see Katayama, N. ... A283 (1989) 539
Devenish, R.C., see ZEUS-UK Collaboration ... A283 (1989) 477
DeWolf, R.S., see Alitti, J. ... A283 (1989) 646
Di Tore, G., see Angelis, A.L.S. ... A283 (1989) 762
Diaczek, A., see Brand, C. ... A283 (1989) 567
Dian, R., see Siffert, P. ... A283 (1989) 363
Diebold, G.E., see Garabatos, C. ... A283 (1989) 553
Diebold, G.E., see Cherney, M. ... A283 (1989) 796
Dieckmann, A., see Fischer, H.M. ... A283 (1989) 492
Diep, V., see Peskov, V. ... A283 (1989) 786
Dignus, H., see Rosenzweig, J. ... A283 (1989) 255
Dolin, R.C., see Patt, B.E. ... A283 (1989) 215
Dominik, W., see Charpak, G. ... A283 (1989) 596
Dominik, W., see Fonte, P. ... A283 (1989) 658
Dracos, M., see Van Apeldoorn, G. ... A283 (1989) 767
Drees, J., see Kalkanis, G. ... A283 (1989) 37
Drell, P.S., see Alexander, J.P. ... A283 (1989) 519
Drell, P.S., see Katayama, N. ... A283 (1989) 539
Dryburgh, M., see Anderson, B.E. ... A283 (1989) 650
Duijn, J.H., C.W.E. Van Eijk, R.W. Hollander, R. Kreuger and G.W. Sloof, A hardware readout system for a curved one-dimensional position-sensitive proportional counter ... A283 (1989) 803
Dulinski, W., see Van Apeldoorn, G. ... A283 (1989) 767
Dunwoodie, W., see Aston, D. ... A283 (1989) 582
Dunwoodie, W., see Aston, D. ... A283 (1989) 590
Dupont, J., see Alitti, J. ... A283 (1989) 646
Dupuy, M., see Nicolau, Y.F. ... A283 (1989) 149
Dupuy, M., see Nicolau, Y.F. ... A283 (1989) 355

Economou, T. and J. Iwanczyk, Development of mercuric iodide X-ray and alpha backscattering spectrometers for space applications ... A283 (1989) 352
Edberg, T., see Nemethy, P. ... A283 (1989) 578
Edwards, D.N., see Amery, A. ... A283 (1989) 502
Edwards, K.W., see Michel, E. ... A283 (1989) 544
Egli, S., C.A. Meyer, P. Robmann, U. Straumann, P. Truöl, R. Eichler and R. Holzreuter, The central-inner z-drift chamber of the H1 experiment ... A283 (1989) 487
Egyed, Z., see Nemethy, P. ... A283 (1989) 578
Eichler, R., see Egli, S. ... A283 (1989) 487
Einsweiler, K., see Alitti, J. ... A283 (1989) 646
Eiseman, S.E., see Etkin, A. ... A283 (1989) 557

Ejiri, H., see Akei, M. A283 (1989) 46
Engster, C., see Alitti, J. A283 (1989) 646
Eno, S., see Fujii, Y. A283 (1989) 665
Entine, G., P. Waer, T. Tiernan and M.R. Squillante, Survey of CdTe nuclear detector applications A283 (1989) 282
Entine, G., see Lund, J.C. A283 (1989) 299
Entine, G., see Squillante, M.R. A283 (1989) 323
Erd, Ch., see Carli, Ch. A283 (1989) 723
Erin, S.V., A.A. Derevshchikov, A.A. Morosov, V.K. Myalitsin and V.I. Shelihov, Mini drift chambers: operation with various gas mixtures A283 (1989) 682
Etienne, L., see Stichelbaut, F. A283 (1989) 792
Etkin, A., S.E. Eiseman, K.J. Foley, R.W. Hackenburg, R.S. Longacre, W.A. Love, T.W. Morris, E.D. Platner, A.C. Saulys, S.J. Lindenbaum, C.S. Chan, M.A. Kramer, T.J. Hallman, L. Madansky, B.E. Bonner, J.A. Buchanan, C.N. Chiou, J.M. Clement, M.D. Corcoran, N. Krishna, J.W. Kruk, H.E. Miettinen, G.S. Mutchler, F. Nessi-Tedaldi, M. Nessi, G.C. Phillips and J.B. Roberts, Modular TPCs for relativistic heavy-ion experiments A283 (1989) 557

Fabjan, C.W., see Angelis, A.L.S. A283 (1989) 762
Farago, I., see Astakhov, A.Ya. A283 (1989) 13
Faruqi, A.R. and H. Andrews, A high-resolution multiwire area detector for X-ray scattering A283 (1989) 445
Faure, J.L., see Dejardin, M. A283 (1989) 484
Fedorenko, V.E., see Anashkin, E.V. A283 (1989) 752
Fedotovich, G.V., see Anashkin, E.V. A283 (1989) 752
Feldman, G.J., see Boyarski, A. A283 (1989) 617
Felter, T.E., R.H. Stulen, W.F. Schnepple, C. Ortale and L. Van den Berg, Rutherford backscattering and Auger spectroscopy of mercuric iodide detectors A283 (1989) 195
Feltesse, J., Liquid noble gas and warm liquid detectors A283 (1989) 375
Fernández, C., see Garabatos, C. A283 (1989) 553
Fernández, C., see Cherney, M. A283 (1989) 796
Fernholz, R.C., see Michel, E. A283 (1989) 544
Ferreira Marques, R., see Ribeiro, R.S. A283 (1989) 705
Ferreira Marques, R., see De Fraga, F.A.F. A283 (1989) 778
Fidecaro, F., see Amendolia, S.R. A283 (1989) 573
Fischer, H.M., H. Hartmann, M. Hauschild, A. Rollnik, S. Schreiber, B. Wünsch, H. Breuker, R.-D. Heuer, J. Ludwig, W. Mohr, F. Röhner, K. Runge, D. Schaile, O. Schaile, H.E. Stier, Ch. Wahl, P. Bock, A. Dieckmann, J.W. Gary, J. Heintze, P. Igo-Kemenes, P. Lennert, H. Von der Schmitt and A. Wagner, The OPAL jet chamber A283 (1989) 492
Fischer, J., see Debbe, R. A283 (1989) 772
Foeth, H., see Brand, C. A283 (1989) 567
Foley, K.J., see Etkin, A. A283 (1989) 557
Fonte, P., A. Breskin, G. Charpak, W. Dominik and F. Sauli, Beam test of an imaging high-density projection chamber A283 (1989) 658
Ford, W.T., see Alexander, J.P. A283 (1989) 519
Foster, B., see ZEUS-UK Collaboration A283 (1989) 477
Francke, T. and M. Suffert, RICH counter using a solid radiator and a low pressure MWPC A283 (1989) 608
Franklin, G., see Garabatos, C. A283 (1989) 553
Franklin, G., see Cherney, M. A283 (1989) 796
Franks, L., see Burger, A. A283 (1989) 232
Fraser, T.J., see ZEUS-UK Collaboration A283 (1989) 477
Frederick, E., see Squillante, M.R. A283 (1989) 323
Friant, A., see Mellet, J. A283 (1989) 199
Friant, A., J. Mellet, G. Barrandon and E. Csakvary, HgI_2 detectors for Pu contamination monitoring and radiological protection measurements A283 (1989) 227
Friant, A., C. Saliou, R. Galli and S. Barday, Picosecond GaAs X- and gamma-ray photodetectors A283 (1989) 318
Froberger, J.P., see Van Apeldoorn, G. A283 (1989) 767
Fujii, Y., K. Abe, S. Eno, D.H. Han, H. Harada, Y. Higashi, Y. Ishi, T. Ishizuka, H. Miyata, K. Ohta, D.R. Perticone, R. Poling, N.M. Shaw, H. Takei, T. Thomas, E.H. Thorndike and H. Yokota, An X-ray detector as a detector for electron identification A283 (1989) 665
Fujino, D., see Alexander, J.P. A283 (1989) 519
Fukuda, M., see Akei, M. A283 (1989) 46
Fukuda, T., see Akei, M. A283 (1989) 46
Fukushima, M., see Bizzarri, R. A283 (1989) 799

Fukushima, Y., see Yamashita, T. A283 (1989) 709
Fuzesy, R., see Alexander, J.P. A283 (1989) 519

Gabathuler, E., see Beck, G.A. A283 (1989) 471
Gabathuler, E., see Grässler, H. A283 (1989) 622
Gagliardi, C.A., see Betker, A.C. A283 (1989) 67
Gaillard, J.-M., see Alitti, J. A283 (1989) 646
Gaillard, M., see Brand, C. A283 (1989) 567
Galli, R., see Friant, A. A283 (1989) 318
Garabatos, C., representing the NA36 Collaboration: P. Álvarez de Lara, E. Andersen, P.D. Barnes, R. Blaes, H. Braun, J.M. Brom, B. Castaño, M. Cherney, M. Cohler, B. De la Cruz, G.E. Diebold, C. Fernández, G. Franklin, C. Garabatos, J.A. Garzón, W.M. Geist, D.E. Greiner, C.R. Gruhn, M. Hafidouni, M. Heiden, C.P. De los Heros, J. Hubrec, D. Huss, J.L. Jacquot, P.G. Jones, J.P.M. Kuipers, P. Ladrón de Guevara, D. Liko, G. Lovhoiden, J. MacNaughton, A. Michalon, M.E. Michalon-Mentzer, J. Mosquera, Z. Natkaniec, J.M. Nelson, G. Neuhofer, M. Pló, P. Port, B. Powell, B. Quinn, A. Ramil, J.L. Riester, H. Rohringer, G. Sakrejda, I. Sakrejda, R. Schumacher, T. Thorsteinsen, J. Traxler, C. Voltolini, Y. Xia, A. Yañez, P. Yepes and R. Zybert, A TPC in the context of heavy-ion collisions A283 (1989) 553
Garabatos, C., see Cherney, M. A283 (1989) 796
Gary, J.W., see Fischer, H.M. A283 (1989) 492
Garzón, J.A., see Garabatos, C. A283 (1989) 553
Garzón, J.A., see Cherney, M. A283 (1989) 796
Gaudaen, J., see Bouclier, R. A283 (1989) 509
Gaudaen, J., see Jibaly, M. A283 (1989) 692
Gawne, S.C., see Amery, A. A283 (1989) 502
Geara, C., see Amery, A. A283 (1989) 502
Geist, W.M., see Garabatos, C. A283 (1989) 553
Geist, W.M., see Cherney, M. A283 (1989) 796
Genat, J.F., see Amery, A. A283 (1989) 502
Gensch, U., see Bärwolff, H. A283 (1989) 467
Gentile, S., see Bizzarri, R. A283 (1989) 799
Georgeson, G., see Schieber, M. A283 (1989) 172
Gerrish, V.M. and A.G. Beyerle, Pulse filtering techniques for mercuric iodide gamma ray detectors A283 (1989) 220
Gertner, I., see Markevich, N. A283 (1989) 72
Gibson, M.D., see ZEUS-UK Collaboration A283 (1989) 477
Gilmore, R.S., see ZEUS-UK Collaboration A283 (1989) 477
Gingrich, D., see ZEUS-UK Collaboration A283 (1989) 477
Giomataris, Y., see Charpak, G. A283 (1989) 596
Giusti, P., see Bollini, D. A283 (1989) 635
Gobbo, B., see Amendolia, S.R. A283 (1989) 573
Goerlach, U., see Angelis, A.L.S. A283 (1989) 762
Gokieli, R., see Amery, A. A283 (1989) 502
Goorens, B., see Stichelbaut, F. A283 (1989) 792
Gorini, E., see Bertino, M. A283 (1989) 654
Gougas, A., see Charpak, G. A283 (1989) 596
Goujon, G., see Brand, C. A283 (1989) 567
Gouz, I., see Bouclier, R. A283 (1989) 509
Gouz, I., see Solomey, N. A283 (1989) 673
Grab, C., see Adler, J. A283 (1989) 679
Grancagnolo, F., see Bertino, M. A283 (1989) 654
Grässler, H., S. Masson, H. Nierobisch, W. Pilgram, S. Schulte, W. Struczinski, H. Wenzel, G.A. Beck, J.B. Dainton, E. Gabathuler, P. Mason, S.J. Maxfield, J.M. Morton, G.D. Patel and D.P.C. Sankey, Simultaneous track reconstruction and electron identification in the H1 radial drift chambers A283 (1989) 622
Gray, S.W., see Katayama, N. A283 (1989) 539
Greiner, D.E., see Garabatos, C. A283 (1989) 553
Greiner, D.E., see Cherney, M. A283 (1989) 796
Groh, J., E. Schenuit and H. Spitzer, Computer simulation of the electron avalanche in cylindrically symmetric electric fields A283 (1989) 730
Gros, M., see Brand, C. A283 (1989) 567
Gros, M.H., see Brand, C. A283 (1989) 567
Grossetete, B., see Amery, A. A283 (1989) 502
Gruhn, C.R., see Garabatos, C. A283 (1989) 553

Gruhn, C.R., see Cherney, M. A283 (1989) 796
Guerard, B., see Bouclier, R. A283 (1989) 509
Gurzhiev, A.N., V.I. Kryshkin and L.L. Kurchaninov, Particle identification by low-efficiency "thin" chambers A283 (1989) 628
Guyot, C., see Dejardin, M. A283 (1989) 484

Hackenburg, R.W., see Etkin, A. A283 (1989) 557
Hafidouni, M., see Garabatos, C. A283 (1989) 553
Hafidouni, M., see Cherney, M. A283 (1989) 796
Hage-Ali, M., see Samimi, M. A283 (1989) 243
Hage-Ali, M., see Biglari, B. A283 (1989) 249
Hage-Ali, M., see Siffert, P. A283 (1989) 363
Hahn, F., S. Haider, W. Klempt, D. Langerveld and E. Rosso, Long electron drift in TMAE-doped gas in the Barrel RICH detector A283 (1989) 686
Haider, S., see Hahn, F. A283 (1989) 686
Hall, S.J., see Imrie, D.C. A283 (1989) 515
Hallewell, G., see Aston, D. A283 (1989) 582
Hallewell, G., see Aston, D. A283 (1989) 590
Halley, A., see Amendolia, S.R. A283 (1989) 573
Hallman, T.J., see Etkin, A. A283 (1989) 557
Han, D.H., see Fujii, Y. A283 (1989) 665
Hanson, G., see Boyarski, A. A283 (1989) 617
Hanson, G.G., B.B. Niczyporuk and A.P.T. Palounek, Wire chamber requirements and tracking simulation studies for tracking systems at the Superconducting Super Collider A283 (1989) 735
Harada, H., see Fujii, Y. A283 (1989) 665
Harder, U., see Bärwolff, H. A283 (1989) 467
Harihar, P., A.R. Knudson, W.J. Stapor and A.B. Campbell, Rise time spectroscopy of nuclear radiations in a CsI(Tl) scintillator A283 (1989) 62
Harnew, N., see ZEUS-UK Collaboration A283 (1989) 477
Harnew, N., J. Nash, G.L. Salmon, P.D Shield, M.D. Jeffs, A.G. Parham and D.J. White, The technique of z-coordinate determination using a time-difference measurement for the ZEUS central tracking detector ... A283 (1989) 781
Harr, R., see Alexander, J.P. A283 (1989) 519
Hart, J.C., see ZEUS-UK Collaboration A283 (1989) 477
Hartjes, F.G. and R. Wigmans, Scintillating plastic fibres for hadron calorimetry (*Letter to the Editor*) A283 (1989) 109
Hartmann, H., see Fischer, H.M. A283 (1989) 492
Hasegawa, K., see Aston, D. A283 (1989) 582
Hasegawa, K., see Aston, D. A283 (1989) 590
Hashimoto, O., see Akei, M. A283 (1989) 46
Hauschild, M., see Fischer, H.M. A283 (1989) 492
Hayes, D., see Anderson, B.E. A283 (1989) 650
Hayes, K., see Alexander, J.P. A283 (1989) 519
Haywood, S., see Amendolia, S.R. A283 (1989) 573
Hazlett, T., see Squillante, M.R. A283 (1989) 323
He, Z.F., see Chen, L.Y. A283 (1989) 43
Heath, G.P., see ZEUS-UK Collaboration A283 (1989) 477
Hebbeker, T., see Bizzarri, R. A283 (1989) 799
Heck, B.W., see Brand, C. A283 (1989) 567
Heiden, M., see Garabatos, C. A283 (1989) 553
Heiden, M., see Cherney, M. A283 (1989) 796
Heintze, J., see Fischer, H.M. A283 (1989) 492
Henschel, H., see Bärwolff, H. A283 (1989) 467
Herten, G., see Bizzarri, R. A283 (1989) 799
Heuer, R.-D., see Fischer, H.M. A283 (1989) 492
Hiddleston, J., see ZEUS-UK Collaboration A283 (1989) 477
Higashi, Y., see Fujii, Y. A283 (1989) 665
Hilke, H.J., see Brand, C. A283 (1989) 567
Hinshaw, D.A., see Alexander, J.P. A283 (1989) 519
Hiraki, A., see Ohba, K. A283 (1989) 265
Hiratate, Y., see Ohba, K. A283 (1989) 265
Hoard, C., see Alexander, J.P. A283 (1989) 519
Hollander, R.W., P. Schotanus and C.W.E. Van Eijk, Recent developments for a BaF_2/TMAE PET-camera ... A283 (1989) 448
Hollander, R.W., see Duijn, J.H. A283 (1989) 803

Holmes, A.R., see ZEUS-UK Collaboration A283 (1989) 477
Holzreuter, R., see Egli, S. A283 (1989) 487
Homma, S., see Akei, M. A283 (1989) 46
Houlden, M.A., see Amery, A. A283 (1989) 502
Hower, N., see Alexander, J.P. A283 (1989) 519
Hrisoho, A., see Brand, C. A283 (1989) 567
Hu, X.M. and G.V. Marr, A new display type hemispherical mirror analyzer for photoelectron spectroscopy ... A283 (1989) 57
Huber, J., see Aston, D. A283 (1989) 582
Huber, J., see Aston, D. A283 (1989) 590
Hubrec, J., see Garabatos, C. A283 (1989) 553
Hubrec, J., see Cherney, M. A283 (1989) 796
Huck, H., A. Jech, G. Martí, J. Orecchia, M.L. Pérez, M. Ramírez and J.J. Rossi, A new ion source for the ISOL system of the TANDAR accelerator A283 (1989) 1
Hultqvist, K., see Alitti, J. A283 (1989) 646
Huss, D., see Garabatos, C. A283 (1989) 553
Huss, D., see Cherney, M. A283 (1989) 796
Hussein, E.M.A. and T.M. Whynot, A Compton scattering method for inspecting concrete structures A283 (1989) 100
Husson, D., see Van Apeldoorn, G. A283 (1989) 767
Hutchinson, D., see Alexander, J.P. A283 (1989) 519
Huthmacher, S., J. Arends, G. Nöldeke and W. Prüfert, A high-pressure drift chamber for photonuclear experiments A283 (1989) 454

Iacopini, E., see Bosi, F. A283 (1989) 532
Ignatov, S.M., see Zelenina, N.K. A283 (1989) 274
Igo-Kemenes, P., see Fischer, H.M. A283 (1989) 492
Imrie, D.C., S.J. Hall, D.J. Miller, P. Sherwood and N.C. Wood, An array of proportional tubes for the location of electromagnetic showers in the OPAL forward detectors A283 (1989) 515
Introzzi, G., see Bertino, M. A283 (1989) 654
Iori, M., see Bertino; M. A283 (1989) 654
Irie, T., see Akei, M. A283 (1989) 46
Iseki, Y., see Akei, M. A283 (1989) 46
Ishi, Y., see Fujii, Y. A283 (1989) 665
Ishizuka, T., see Fujii, Y. A283 (1989) 665
Ivanov, A.B., see Zanevsky, Yu.V. A283 (1989) 462
Iwanczyk, J., see Economou, T. A283 (1989) 352
Iwanczyk, J.S., Advances in mercuric iodide X-ray detectors and low noise preamplification systems A283 (1989) 208
Iwanczyk, J.S., see Bradley, J.G. A283 (1989) 348

Jackson, J.N., see Amery, A. A283 (1989) 502
Jacques, P., see Aston, D. A283 (1989) 582
Jacques, P., see Aston, D. A283 (1989) 590
Jacquot, J.L., see Garabatos, C. A283 (1989) 553
Jacquot, J.L., see Cherney, M. A283 (1989) 796
Jahn, A., see Amendolia, S.R. A283 (1989) 573
Jamdagni, A.K., see ZEUS-UK Collaboration A283 (1989) 477
James, R.B., D.K. Ottesen, D. Wong, T.E. Schlesinger, W.F. Schnepple, C. Ortale and L. Van den Berg, Optical detection of impurities and defects in detector-grade mercuric iodide A283 (1989) 188
Janjic, D., see Peskov, V. A283 (1989) 786
Jarlskog, G., see Brand, C. A283 (1989) 567
Jaros, J.A., see Alexander, J.P. A283 (1989) 519
Jarry, P., see Brand, C. A283 (1989) 567
Jawahery, A., see Katayama, N. A283 (1989) 539
Jean-Marie, B., see Brand, C. A283 (1989) 567
Jech, A., see Huck, H. A283 (1989) 1
Jeffs, M.D., see Harnew, N. A283 (1989) 781
Jiang, H., see Burger, A. A283 (1989) 130
Jibaly, M., S. Majewski, P. Chrusch Jr., R. Wojcik, F. Sauli and J. Gaudaen, The aging of wire chambers filled with dimethyl ether: wire and construction materials and freon impurities A283 (1989) 692
Johannsen, K., E. Schenuit, H. Spitzer, R. Vick and G. Westerkamp, A comparison of argon and xenon gas mixtures in a small drift chamber A283 (1989) 702
Johnson, R., see Amendolia, S.R. A283 (1989) 573

Johnson, R.A., see Aston, D. ... A283 (1989) 582
Johnson, R.A., see Aston, D. ... A283 (1989) 590
Jones, P.G., see Garabatos, C. ... A283 (1989) 553
Jones, P.G., see Cherney, M. ... A283 (1989) 796
Jones, T.W., see ZEUS-UK Collaboration ... A283 (1989) 477
Juillot, P., see Van Apeldoorn, G. ... A283 (1989) 767

Kabsch, Z., see Nicolau, Y.F. ... A283 (1989) 149
Käck, S., see Brand, C. ... A283 (1989) 567
Kaldis, E., see Piechotka, M. ... A283 (1989) 111
Kalkanis, G., J. Drees, W. Klempt and E. Rosso, Tests of the DELPHI barrel RICH electrical HV insulator ... A283 (1989) 37
Kankanian, S.A., see Avundjian, A.T. ... A283 (1989) 612
Kapitza, H., see Michel, E. ... A283 (1989) 544
Kaplan, I., see Steinberg, S. ... A283 (1989) 123
Karpenko, V.P., see Zelenina, N.K. ... A283 (1989) 274
Karpenko, V.P., see Zelenina, N.K. ... A283 (1989) 279
Kasahara, K., see Zhang, C.S. ... A283 (1989) 78
Kasemann, M., see Amendolia, S.R. ... A283 (1989) 573
Kashitani, A., see Akei, M. ... A283 (1989) 46
Katayama, N., E. Cheu, R. DeSalvo, P.S. Drell, S.W. Gray, N.B. Mistry, A. Jawahery and J.D. Willins, Test installation of a 2.3 cm radius beam pipe and vertex drift chamber in CLEO at CESR ... A283 (1989) 539
Kato, S., see Akei, M. ... A283 (1989) 46
Kaufmann, H., see Bärwolff, H. ... A283 (1989) 467
Kawahara, H., see Aston, D. ... A283 (1989) 582
Kawahara, H., see Aston, D. ... A283 (1989) 590
Keller, L., see Burger, A. ... A283 (1989) 130
Keller, L., see Schieber, M. ... A283 (1989) 172
Kennedy, B.W., see Anderson, B.E. ... A283 (1989) 650
Kesteman, J., see Stichelbaut, F. ... A283 (1989) 792
Khabakhpashev, A.G., see Baru, S.E. ... A283 (1989) 431
Khazin, B.I., see Anashkin, E.V. ... A283 (1989) 752
Kimura, K., see Akei, M. ... A283 (1989) 46
King, B.T., see Amery, A. ... A283 (1989) 502
Kishimoto, T., see Akei, M. ... A283 (1989) 46
Kisváradi, A., see Astakhov, A.Ya. ... A283 (1989) 13
Klein, M., see Bärwolff, H. ... A283 (1989) 467
Klempt, W., see Kalkanis, G. ... A283 (1989) 37
Klempt, W., see Hahn, F. ... A283 (1989) 686
Klinger, P., see Braatz, U. ... A283 (1989) 240
Knudson, A.R., see Harihar, P. ... A283 (1989) 62
Kobayashi, H., see Yamashita, T. ... A283 (1989) 709
Koebel, J.M., see Samimi, M. ... A283 (1989) 243
Koebel, J.M., see Biglari, B. ... A283 (1989) 249
Koebel, J.M., see Siffert, P. ... A283 (1989) 363
Koetke, D., see Alexander, J.P. ... A283 (1989) 519
Kofler, R., see Nemethy, P. ... A283 (1989) 578
Kolachev, G.M., see Aulchenko, V.M. ... A283 (1989) 528
Kolanoski, H., see Michel, E. ... A283 (1989) 544
Konaka, A., see Yamashita, T. ... A283 (1989) 709
Koponen, J., see Laakso, M. ... A283 (1989) 459
Korff, P., see Aston, D. ... A283 (1989) 582
Kostka, P., see Bärwolff, H. ... A283 (1989) 467
Kotcher, J., see Nemethy, P. ... A283 (1989) 578
Kovinsky, V.I., see Berlev, A.I. ... A283 (1989) 614
Kowalski, L.A., see Alexander, J.P. ... A283 (1989) 519
Krahl, R., see Braatz, U. ... A283 (1989) 240
Kral, J.F., see Alexander, J.P. ... A283 (1989) 519
Kramer, M.A., see Etkin, A. ... A283 (1989) 557
Krammer, M., Results from a full-scale UA1 uranium–TMP calorimeter module ... A283 (1989) 630
Krasnov, V.A., see Berlev, A.I. ... A283 (1989) 614
Kreimeier, B., see Michel, E. ... A283 (1989) 544

Kreuger, R., see Duijn, J.H. A283 (1989) 803
Krienen, F., D. Loomba and W. Meng, The truncated double cosine theta superconducting septum magnet A283 (1989) 5
Krishna, N., see Etkin, A. A283 (1989) 557
Kruk, J.W., see Etkin, A. A283 (1989) 557
Kryshkin, V.I., see Gurzhiev, A.N. A283 (1989) 628
Kuipers, J.P.M., see Garabatos, C. A283 (1989) 553
Kuipers, J.P.M., see Cherney, M. A283 (1989) 796
Kunsch, J., see Braatz, U. A283 (1989) 240
Kurashige, H., see Yamashita, T. A283 (1989) 709
Kurchaninov, L.L., see Gurzhiev, A.N. A283 (1989) 628
Kwon, Y., see Aston, D. A283 (1989) 582
Kwon, Y., see Aston, D. A283 (1989) 590

Laakso, M., J. Koponen and R. Ritala, Utilizing a position-sensitive wire chamber in sheet density measurements A283 (1989) 459
Ladrón de Guevara, P., see Garabatos, C. A283 (1989) 553
Ladrón de Guevara, P., see Cherney, M. A283 (1989) 796
Lai, B., see Chapman, K. A283 (1989) 88
Lamb, D.C., see Solomey, N. A283 (1989) 673
Lami, S., see Bosi, F. A283 (1989) 532
Lange, A., see Michel, E. A283 (1989) 544
Langerveld, D., see Hahn, F. A283 (1989) 686
Langerveld, D., see Van Apeldoorn, G. A283 (1989) 767
Lanza, A., see Bertino, M. A283 (1989) 654
Lariccia, P., see Bosi, F. A283 (1989) 532
Larsson, U., see Amendolia, S.R. A283 (1989) 573
Laskowski, J., see Conder, K. A283 (1989) 138
Laskowski, J., see Przyłuski, J. A283 (1989) 144
Lauriola, P., see Bollini, D. A283 (1989) 635
Lazarenko, O.B., see Aulchenko, V.M. A283 (1989) 528
Leclaire, B., see Amendolia, S.R. A283 (1989) 573
Leder, G., see Carli, Ch. A283 (1989) 723
Lefebvre, M., see Alitti, J. A283 (1989) 646
Lehraus, I., see Amendolia, S.R. A283 (1989) 573
Leith, D., see Aston, D. A283 (1989) 582
Leith, D., see Aston, D. A283 (1989) 590
Lemonne, J., see Stichelbaut, F. A283 (1989) 792
Lennert, P., see Fischer, H.M. A283 (1989) 492
Lepeltier, V., see Brand, C. A283 (1989) 567
Leroy, C., see Angelis, A.L.S. A283 (1989) 762
Liguori, G., see Bertino, M. A283 (1989) 654
Liko, D., see Garabatos, C. A283 (1989) 553
Liko, D., see Cherney, M. A283 (1989) 796
Lindenbaum, S.J., see Etkin, A. A283 (1989) 557
Linssen, L., see Alitti, J. A283 (1989) 646
Lippold, H., see Bärwolff, H. A283 (1989) 467
Lissauer, D., see Debbe, R. A283 (1989) 772
Llewellyn, T.J., see ZEUS-UK Collaboration A283 (1989) 477
Lohse, T., see Amendolia, S.R. A283 (1989) 573
Long, K.R., see ZEUS-UK Collaboration A283 (1989) 477
Longacre, R.S., see Etkin, A. A283 (1989) 557
Loomba, D., see Krienen, F. A283 (1989) 5
Lorstadt, B., see Brand, C. A283 (1989) 567
Loukas, D., see Van Apeldoorn, G. A283 (1989) 767
Love, W.A., see Etkin, A. A283 (1989) 557
Lovhoiden, G., see Garabatos, C. A283 (1989) 553
Lovhoiden, G., see Cherney, M. A283 (1989) 796
Lu, A., see Aston, D. A283 (1989) 582
Lu, A., see Aston, D. A283 (1989) 590
Ludlam, T., see Debbe, R. A283 (1989) 772
Ludwig, J., see Fischer, H.M. A283 (1989) 492

Lunadei, G., see Bizzarri, R. A283 (1989) 799
Lund, J.C., K.S. Shah, M.R. Squillante, L.P. Moy, F. Sinclair and G. Entine, Properties of lead iodide semiconductor radiation detectors A283 (1989) 299
Lush, G.J., see ZEUS-UK Collaboration A283 (1989) 477
Lusiani, A., see Amendolia, S.R. A283 (1989) 573

MacFarlane, D.B., see Michel, E. A283 (1989) 544
MacNaughton, J., see Garabatos, C. A283 (1989) 553
MacNaughton, J., see Cherney, M. A283 (1989) 796
Madansky, L., see Etkin, A. A283 (1989) 557
Maeda, K., see Akei, M. A283 (1989) 46
Magahiz, R., see Nemethy, P. A283 (1989) 578
Magnan, A., see Cadoret, R. A283 (1989) 339
Maiano, P., see Bollini, D. A283 (1989) 635
Majewski, S., see Jibaly, M. A283 (1989) 692
Makowiecki, D., see Debbe, R. A283 (1989) 772
Malos, J., see ZEUS-UK Collaboration A283 (1989) 477
Marel, G., see Dejardin, M. A283 (1989) 484
Markakis, J.M. and A.Y. Cheng, Comparison of transparent conducting electrodes on mercuric iodide photocells A283 (1989) 236
Markevich, N. and I. Gertner, Comparison among methods for calculating FWHM A283 (1989) 72
Marr, G.V., see Hu, X.M. A283 (1989) 57
Marradi, L., see Anderson, B.E. A283 (1989) 650
Marrocchesi, P.S., see Amendolia, S.R. A283 (1989) 573
Marsden, P.K., see Bateman, J.E. A283 (1989) 436
Martí, G., see Huck, H. A283 (1989) 1
Martin, N.C., see ZEUS-UK Collaboration A283 (1989) 477
Martinengo, P., see Chesi, E. A283 (1989) 602
Martinez, J., see Aston, D. A283 (1989) 582
Martinez, J., see Aston, D. A283 (1989) 590
Mas, J., see Brand, C. A283 (1989) 567
Maslova, L.V., see Zelenina, N.K. A283 (1989) 274
Mason, P., see Beck, G.A. A283 (1989) 471
Mason, P., see Grässler, H. A283 (1989) 622
Massa, F., see Bertino, M. A283 (1989) 654
Massai, M.M., see Angelini, F. A283 (1989) 423
Massai, M.M., see Angelini, F. A283 (1989) 755
Masson, S., see Grässler, H. A283 (1989) 622
Mathis, L., see Brand, C. A283 (1989) 567
Mathys, L., see Aston, D. A283 (1989) 582
Mathys, L., see Aston, D. A283 (1989) 590
Matsuyama, Y., see Akei, M. A283 (1989) 46
Matthews, M.T., see Beck, G.A. A283 (1989) 471
Matveev, O.A., see Agrinskaya, N.V. A283 (1989) 263
Matveev, O.A., see Zelenina, N.K. A283 (1989) 274
Matveev, O.A., see Zelenina, N.K. A283 (1989) 279
Maxfield, S.J., see Beck, G.A. A283 (1989) 471
Maxfield, S.J., see Grässler, H. A283 (1989) 622
May, J., see Amendolia, S.R. A283 (1989) 573
Mayet, N., see Van Apeldoorn, G. A283 (1989) 767
Mazaheri, G., see Adler, J. A283 (1989) 679
McArthur, I., see ZEUS-UK Collaboration A283 (1989) 477
McCubbin, N.A., see ZEUS-UK Collaboration A283 (1989) 477
McGill, J.A., see Akei, M. A283 (1989) 46
McHugh, S., see Aston, D. A283 (1989) 582
McHugh, S., see Aston, D. A283 (1989) 590
McQuillan, D., see ZEUS-UK Collaboration A283 (1989) 477
Meadows, B., see Aston, D. A283 (1989) 582
Meadows, B., see Aston, D. A283 (1989) 590
Meissner, J., see Bärwolff, H. A283 (1989) 467
Mellet, J. and A. Friant, $I(t)$, $I(V)$ and surface effect studies of vapor grown and solution grown HgI_2 detectors A283 (1989) 199

Meilet, J., see Friant, A. ... A283 (1989) 227
Meng, W., see Krienen, F. ... A283 (1989) 5
Meyer, C.A., see Egli, S. ... A283 (1989) 487
Meyer, J.-P., see Alitti, J. ... A283 (1989) 646
Michalon, A., see Garabatos, C. ... A283 (1989) 553
Michalon, A., see Cherney, M. ... A283 (1989) 796
Michalon-Mentzer, M.E., see Garabatos, C. ... A283 (1989) 553
Michalon-Mentzer, M.E., see Cherney, M. ... A283 (1989) 796
Michel, E., W. Schmidt-Parzefall, R.D. Appuhn, J. Buchmüller, H. Kolanoski, B. Kreimeier, A. Lange, T. Siegmund, A. Walther, K.W. Edwards, R.C. Fernholz, H. Kapitza, D.B. MacFarlane, M. O'Neill, J.A. Parsons, J.D. Prentice, S.C. Seidel, G. Tsipolitis, S. Ball, A. Babaev, M. Danilov and I. Tichomirov, The ARGUS microvertex drift chamber ... A283 (1989) 544
Miettinen, H.E., see Etkin, A. ... A283 (1989) 557
Miller, D.B., see ZEUS-UK Collaboration ... A283 (1989) 477
Miller, D.J., see Imrie, D.C. ... A283 (1989) 515
Miller, D.J., see Anderson, B.E. ... A283 (1989) 650
Milotti, E., see Amendolia, S.R. ... A283 (1989) 573
Milstein, F., see Schieber, M. ... A283 (1989) 172
Minten, A., see Amendolia, S.R. ... A283 (1989) 573
Mir, R., see Adler, J. ... A283 (1989) 679
Mistry, N.B., see Katayama, N. ... A283 (1989) 539
Miyake, K., see Yamashita, T. ... A283 (1989) 709
Miyata, H., see Fujii, Y. ... A283 (1989) 665
Mjörnmark, U., see Brand, C. ... A283 (1989) 567
Mobayyen, M.M., see ZEUS-UK Collaboration ... A283 (1989) 477
Mohr, W., see Fischer, H.M. ... A283 (1989) 492
Molnar, L., see Astakhov, A.Ya. ... A283 (1989) 13
Morgado, C., see ZEUS-UK Collaboration ... A283 (1989) 477
Morgan, S., see Burger, A. ... A283 (1989) 130
Morganti, M., see Bosi, F. ... A283 (1989) 532
Morii, M.M., see Yamashita, T. ... A283 (1989) 709
Morosov, A.A., see Erin, S.V. ... A283 (1989) 682
Morris, T.W., see Etkin, A. ... A283 (1989) 557
Morrison, R., see Aston, D. ... A283 (1989) 582
Morrison, R., see Aston, D. ... A283 (1989) 590
Morton, J.M., see Beck, G.A. ... A283 (1989) 471
Morton, J.M., see Grässler, H. ... A283 (1989) 622
Moser, P., see Nicolau, Y.F. ... A283 (1989) 167
Mosquera, J., see Garabatos, C. ... A283 (1989) 553
Mosquera, J., see Cherney, M. ... A283 (1989) 796
Movchan, S.A., see Zanevsky, Yu.V. ... A283 (1989) 462
Moy, L.P., see Lund, J.C. ... A283 (1989) 299
Munday, D.J., see Alitti, J. ... A283 (1989) 646
Munger, C.T., see Alexander, J.P. ... A283 (1989) 519
Mur, M., see Brand, C. ... A283 (1989) 567
Mutchler, G.S., see Etkin, A. ... A283 (1989) 557
Myalitsin, V.K., see Erin, S.V. ... A283 (1989) 682

NA36 Collaboration, see Garabatos, C. ... A283 (1989) 553
NA36 Collaboration, see Cherney, M. ... A283 (1989) 796
Nagae, T., see Akei, M. ... A283 (1989) 46
Nagasawa, H., see Akei, M. ... A283 (1989) 46
Nagaslaev, V.P., see Aulchenko, V.M. ... A283 (1989) 528
Nagoshi, C., see Akei, M. ... A283 (1989) 46
Nakamura, T.T., see Yamashita, T. ... A283 (1989) 709
Nakatani, H., E. Sakai, C. Tatsuyama and F. Takeda, GaSe nuclear particle detectors ... A283 (1989) 303
Naon, R., H. Bjelkhagen, R. Burnstein and L. Voyvodic, A system for viewing holograms ... A283 (1989) 24
Nash, J., see ZEUS-UK Collaboration ... A283 (1989) 477
Nash, J., see Boyarski, A. ... A283 (1989) 617
Nash, J., see Harnew, N. ... A283 (1989) 781
Natkaniec, Z., see Garabatos, C. ... A283 (1989) 553

Natkaniec, Z., see Cherney, M. A283 (1989) 796
Naumann, T., see Bärwolff, H. A283 (1989) 467
Navarria, F.-L., see Bollini, D. A283 (1989) 635
Nelson, J.M., see Garabatos, C. A283 (1989) 553
Nelson, J.M., see Cherney, M. A283 (1989) 796
Nemethy, P., J. Kotcher, D. Nesic, T. Edberg, P. Oddone, L. Baksay, R. Magahiz, Z. Egyed and R. Kofler, TPC tracking inside a Cherenkov detector A283 (1989) 578
Nesic, D., see Nemethy, P. A283 (1989) 578
Nessi, M., see Etkin, A. A283 (1989) 557
Nessi-Tedaldi, F., see Etkin, A. A283 (1989) 557
Netusil, T., see Zanevsky, Yu.V. A283 (1989) 462
Neuhofer, G., see Garabatos, C. A283 (1989) 553
Neuhofer, G., see Cherney, M. A283 (1989) 796
Newcomer, F.M., R. Van Berg, J. Van der Spiegel and H.H. Williams, High-speed bipolar integrated circuits for SSC applications A283 (1989) 806
Nicolau, Y.F., M. Dupuy and Z. Kabsch, Differential scanning calorimetry and scanning cathodoluminescence microscopy study of doped α-HgI_2 crystals A283 (1989) 149
Nicolau, Y.F., P. Moser and C. Corbel, Positron annihilation in α-HgI_2 ..... A283 (1989) 167
Nicolau, Y.F. and M. Dupuy, Study of α-HgI_2 crystals grown in space by differential scanning calorimetry, scanning cathodoluminescence microscopy and optical microscopy A283 (1989) 355
Niczyporuk, B.B., see Hanson, G.G. A283 (1989) 735
Nierobisch, H., see Grässler, H. A283 (1989) 622
Nitsche, R., see Siffert, P. A283 (1989) 363
Nixon, G., see ZEUS-UK Collaboration A283 (1989) 477
Nöldeke, G., see Huthmacher, S. A283 (1989) 454
Nomachi, M., see Akei, M. A283 (1989) 46
Nomachi, M., see Yamashita, T. A283 (1989) 709
Nomura, T., see Yamashita, T. A283 (1989) 709
Noppe, J.M., see Brand, C. A283 (1989) 567
Noumi, H., see Akei, M. A283 (1989) 46
Nussbaum, M., see Aston, D. A283 (1989) 582
Nussbaum, M., see Aston, D. A283 (1989) 590

Oddone, P., see Nemethy, P. A283 (1989) 578
Odian, A., see Adler, J. A283 (1989) 679
Oganessian, A.G., see Avundjian, A.T. A283 (1989) 612
Ohama, T., see Alexander, J.P. A283 (1989) 519
Ohba, K., Y. Hiratate, T. Taguchi and A. Hiraki, Photoluminescence of CdTe crystals annealed in Hg A283 (1989) 265
Ohsumi, H., see Akei, M. A283 (1989) 46
Ohta, K., see Fujii, Y. A283 (1989) 665
Okuda, K., see Akei, M. A283 (1989) 46
Omata, K., see Akei, M. A283 (1989) 46
O'Neill, M., see Michel, E. A283 (1989) 544
Orecchia, J., see Huck, H. A283 (1989) 1
Ortale, C., see Skinner, N.L. A283 (1989) 119
Ortale, C., see Steinberg, S. A283 (1989) 123
Ortale, C., see Schieber, M. A283 (1989) 172
Ortale, C., see James, R.B. A283 (1989) 188
Ortale, C., see Felter, T.E. A283 (1989) 195
Ortale, C., see Patt, B.E. A283 (1989) 215
O'Shaughnessy, K.F., see Boyarski, A. A283 (1989) 617
Ott, R.J., see Bateman, J.E. A283 (1989) 436
Ottesen, D.K., see James, R.B. A283 (1989) 188

Pain, R., see Amery, A. A283 (1989) 502
Palamara, O., see Bertino, M. A283 (1989) 654
Palma Lopes, S., see Amery, A. A283 (1989) 502
Palounek, A.P.T., see Hanson, G.G. A283 (1989) 735
Parham, A.G., see ZEUS-UK Collaboration A283 (1989) 477
Parham, A.G., see Harnew, N. A283 (1989) 781
Parsons, J.A., see Michel, E. A283 (1989) 544

Patarakin, O.O., see Berlev, A.I. A283 (1989) 614
Patel, G.D., see Beck, G.A. A283 (1989) 471
Patel, G.D., see Grässler, H. A283 (1989) 622
Patt, B.E., A.G. Beyerle, R.C. Dolin and C. Ortale, Developments in mercuric iodide gamma ray imaging A283 (1989) 215
Payne, B.T., see ZEUS-UK Collaboration A283 (1989) 477
Pentney, J.M., see Alitti, J. A283 (1989) 646
Pérez, M.L., see Huck, H. A283 (1989) 1
Perl, M.L., see Alexander, J.P. A283 (1989) 519
Pernicka, M., see Carli, Ch. A283 (1989) 723
Perticone, D.R., see Fujii, Y. A283 (1989) 665
Peshekhonov, V.D., see Zanevsky, Yu.V. A283 (1989) 462
Peskov, V., G. Charpak, F. Sauli, D. Scigocki, V. Diep and D. Janjic, Organometallic photocathodes for parallel-plate and wire chambers A283 (1989) 786
Petridou, C., see Bosi, F. A283 (1989) 532
Petrossian, L.M., see Avundjian, A.T. A283 (1989) 612
Phillips, G.C., see Etkin, A. A283 (1989) 557
Piechotka, M. and E. Kaldis, Mercuric iodide materials research: some recent developments and open problems A283 (1989) 111
Pierrat, C., see Cuzin, M. A283 (1989) 310
Pilgram, W., see Grässler, H. A283 (1989) 622
Pingot, O., see Stichelbaut, F. A283 (1989) 792
Pinto, C., see Bertino, M. A283 (1989) 654
Pitman, D., see Adler, J. A283 (1989) 679
Piuz, F., see Chesi, E. A283 (1989) 602
Plano, R., see Aston, D. A283 (1989) 582
Plano, R., see Aston, D. A283 (1989) 590
Platner, E.D., see Etkin, A. A283 (1989) 557
Pló, M., see Garabatos, C. A283 (1989) 553
Pló, M., see Cherney, M. A283 (1989) 796
Poiret, C., see Stichelbaut, F. A283 (1989) 792
Policarpo, A.J.P.L., see Ribeiro, R.S. A283 (1989) 705
Policarpo, A.J.P.L., see De Fraga, F.A.F. A283 (1989) 778
Poling, R., see Fujii, Y. A283 (1989) 665
Popov, D.A., see Zelenina, N.K. A283 (1989) 274
Port, P., see Garabatos, C. A283 (1989) 553
Porth, P., see Cherney, M. A283 (1989) 796
Powell, B., see Garabatos, C. A283 (1989) 553
Powell, B., see Cherney, M. A283 (1989) 796
Prentice, J.D., see Michel, E. A283 (1989) 544
Price, M., see Angelis, A.L.S. A283 (1989) 762
Prokert, K., see Braatz, U. A283 (1989) 240
Prokhvatilov, M.A., see Berlev, A.I. A283 (1989) 614
Prüfert, W., see Huthmacher, S. A283 (1989) 454
Przyłuski, J. and J. Laskowski, α-HgI_2 platelets technology A283 (1989) 144

Quinn, B., see Garabatos, C. A283 (1989) 553
Quinn, B., see Cherney, M. A283 (1989) 796

Radeka, V., see Angelis, A.L.S. A283 (1989) 762
Radeka, V., see Debbe, R. A283 (1989) 772
Ramil, A., see Garabatos, C. A283 (1989) 553
Ramil, A., see Cherney, M. A283 (1989) 796
Ramírez, M., see Huck, H. A283 (1989) 1
Range, W.H., see Amery, A. A283 (1989) 502
Rankin, P., see Boyarski, A. A283 (1989) 617
Raoul, J.C., see Brand, C. A283 (1989) 567
Ratcliff, B., see Aston, D. A283 (1989) 582
Ratcliff, B., see Aston, D. A283 (1989) 590
Regler, M., see Carli, Ch. A283 (1989) 723
Reid, D.W., see Amery, A. A283 (1989) 502
Rennie, J., see Sweet, M.A.S. A283 (1989) 330
Rensing, P., see Aston, D. A283 (1989) 582

Rensing, P., see Aston, D. ... A283 (1989) 590
Rescia, S., see Debbe, R. ... A283 (1989) 772
Ribeiro, R.S., E.P. De Lima, R. Ferreira Marques, M.A.F. Alves and A.J.P.L. Policarpo, Photosensitive mixtures in the SQS mode ... A283 (1989) 705
Richard, F., see Brand, C. ... A283 (1989) 567
Richman, J.D., see Alexander, J.P. ... A283 (1989) 519
Richstein, J., see Amendolia, S.R. ... A283 (1989) 573
Richter, R., see Amendolia, S.R. ... A283 (1989) 573
Riester, J.L., see Garabatos, C. ... A283 (1989) 553
Riester, J.L., see Cherney, M. ... A283 (1989) 796
Rimmer, E.M., Software for FASTBUS ... A283 (1989) 399
Ritala, R., see Laakso, M. ... A283 (1989) 459
Rizzi, D., see Bosi, F. ... A283 (1989) 532
Rizzi, D., see Bollini, D. ... A283 (1989) 635
Rizzo, C., see Bollini, D. ... A283 (1989) 635
Roberts, J.B., see Etkin, A. ... A283 (1989) 557
Roberts, J.H.C., see ZEUS-UK Collaboration ... A283 (1989) 477
Robmann, P., see Egli, S. ... A283 (1989) 487
Roehn, S., see Amendolia, S.R. ... A283 (1989) 573
Röhner, F., see Fischer, H.M. ... A283 (1989) 492
Rohringer, H., see Garabatos, C. ... A283 (1989) 553
Rohringer, H., see Cherney, M. ... A283 (1989) 796
Rolandi, L., see Amendolia, S.R. ... A283 (1989) 573
Rollnik, A., see Fischer, H.M. ... A283 (1989) 492
Romanov, L.V., see Aulchenko, V.M. ... A283 (1989) 528
Rosenzweig, J., M. Adolf, H. Dignus and U. Birkholz, Characterization of high resistivity CdTe using acoustoelectric methods ... A283 (1989) 255
Ross, F., see Schieber, M. ... A283 (1989) 172
Rossa, E., see Cuzin, M. ... A283 (1989) 310
Rossel, F., see Amery, A. ... A283 (1989) 502
Rossi, J.J., see Huck, H. ... A283 (1989) 1
Rosso, E., see Kalkanis, G. ... A283 (1989) 37
Rosso, E., see Hahn, F. ... A283 (1989) 686
Roth, M., Advantages and limitations of cadmium selenide room temperature gamma ray detectors ... A283 (1989) 291
Rovelli, T., see Bollini, D. ... A283 (1989) 635
Ruhlmann, V., see Brand, C. ... A283 (1989) 567
Runge, K., see Fischer, H.M. ... A283 (1989) 492
Rushbrooke, J.G., see Alitti, J. ... A283 (1989) 646

Sacquin, Y., see Brand, C. ... A283 (1989) 567
Sadrozinski, H.F.-W., Development of radiation-hard front-end electronics at UC Santa Cruz ... A283 (1989) 810
Saget, G., see Brand, C. ... A283 (1989) 567
Sakai, E., see Nakatani, H. ... A283 (1989) 303
Sakrejda, G., see Garabatos, C. ... A283 (1989) 553
Sakrejda, G., see Cherney, M. ... A283 (1989) 796
Sakrejda, I., see Garabatos, C. ... A283 (1989) 553
Sakrejda, I., see Cherney, M. ... A283 (1989) 796
Saliou, C., see Friant, A. ... A283 (1989) 318
Salmon, G., see ZEUS-UK Collaboration ... A283 (1989) 477
Salmon, G.L., see Harnew, N. ... A283 (1989) 781
Samimi, M., B. Biglari, M. Hage-Ali, J.M. Koebel and P. Siffert, Structural defects in high resistivity cadmium telluride ... A283 (1989) 243
Samimi, M., see Biglari, B. ... A283 (1989) 249
Samimi, M., see Siffert, P. ... A283 (1989) 363
Sancho, A., see Brand, C. ... A283 (1989) 567
Sankey, D.P.C., see Beck, G.A. ... A283 (1989) 471
Sankey, D.P.C., see Grässler, H. ... A283 (1989) 622
Sano, H., see Akei, M. ... A283 (1989) 46
Santiard, J.C., see Bouclier, R. ... A283 (1989) 509
Santonico, R., see Bertino, M. ... A283 (1989) 654
Sasaki, O., see Akei, M. ... A283 (1989) 46

Sasaki, O., see Yamashita, T. ... A283 (1989) 709
Sasao, N., see Yamashita, T. ... A283 (1989) 709
Sassu, A., see Bosi, F. ... A283 (1989) 532
Sauli, F., see Bouclier, R. ... A283 (1989) 509
Sauli, F., see Charpak, G. ... A283 (1989) 596
Sauli, F., see Fonte, P. ... A283 (1989) 658
Sauli, F., see Solomey, N. ... A283 (1989) 673
Sauli, F., see Jibaly, M. ... A283 (1989) 692
Sauli, F., see Peskov, V. ... A283 (1989) 786
Saulys, A.C., see Etkin, A. ... A283 (1989) 557
Savinov, G.A., see Anashkin, E.V. ... A283 (1989) 752
Saxon, D.H., see ZEUS-UK Collaboration ... A283 (1989) 477
Schaeffer, M., see Van Apeldoorn, G. ... A283 (1989) 767
Schaile, D., see Fischer, H.M. ... A283 (1989) 492
Schaile, O., see Fischer, H.M. ... A283 (1989) 492
Schenuit, E., see Johannsen, K. ... A283 (1989) 702
Schenuit, E., see Groh, J. ... A283 (1989) 730
Schieber, M., see Steinberg, S. ... A283 (1989) 123
Schieber, M., see Burger, A. ... A283 (1989) 130
Schieber, M., C. Ortale, L. Van den Berg, W. Schnepple, L. Keller, C.N.J. Wagner, W. Yelon, F. Ross, G. Georgeson and F. Milstein, Correlation between mercuric iodide detector performance and crystalline perfection ... A283 (1989) 172
Schieber, M.M., see Skinner, N.L. ... A283 (1989) 119
Schlatter, D., see Amendolia, S.R. ... A283 (1989) 573
Schlesinger, T.E., see James, R.B. ... A283 (1989) 188
Schmelling, M., see Amendolia, S.R. ... A283 (1989) 573
Schmidt-Parzefall, W., see Michel, E. ... A283 (1989) 544
Schnepple, W., see Schieber, M. ... A283 (1989) 172
Schnepple, W.F., see James, R.B. ... A283 (1989) 188
Schnepple, W.F., see Felter, T.E. ... A283 (1989) 195
Schnepple, W.F., see Burger, A. ... A283 (1989) 232
Schnepple, W.F., see Van den Berg, L. ... A283 (1989) 335
Schnizer, B., see Carli, Ch. ... A283 (1989) 723
Schönholz, R., see Siffert, P. ... A283 (1989) 363
Schotanus, P., see Hollander, R.W. ... A283 (1989) 448
Schreiber, S., see Fischer, H.M. ... A283 (1989) 492
Schulte, S., see Grässler, H. ... A283 (1989) 622
Schultz, D., see Aston, D. ... A283 (1989) 582
Schultz, D., see Aston, D. ... A283 (1989) 590
Schumacher, R., see Garabatos, C. ... A283 (1989) 553
Schumacher, R., see Cherney, M. ... A283 (1989) 796
Schumm, B.A., see Alexander, J.P. ... A283 (1989) 519
Scigocki, D., see Peskov, V. ... A283 (1989) 786
Seidel, S.C., see Michel, E. ... A283 (1989) 544
Sellden, B., see Angelis, A.L.S. ... A283 (1989) 762
Sephton, A.J., see ZEUS-UK Collaboration ... A283 (1989) 477
Settles, R., see Amendolia, S.R. ... A283 (1989) 573
Shah, K.S., see Lund, J.C. ... A283 (1989) 299
Shapiro, S., see Aston, D. ... A283 (1989) 582
Shapiro, S., see Aston, D. ... A283 (1989) 590
Shaw, D., see ZEUS-UK Collaboration ... A283 (1989) 477
Shaw, N.M., see Fujii, Y. ... A283 (1989) 665
Shaw, T.B., see ZEUS-UK Collaboration ... A283 (1989) 477
Shekhtman, L.I., see Baru, S.E. ... A283 (1989) 431
Shelihov, V.I., see Erin, S.V. ... A283 (1989) 682
Sherwood, P., see Imrie, D.C. ... A283 (1989) 515
Sherwood, P., see Anderson, B.E. ... A283 (1989) 650
Shi, W., see Burger, A. ... A283 (1989) 232
Shibata, M., see Zhang, C.S. ... A283 (1989) 78
Shibata, T., see Akei, M. ... A283 (1989) 46
Shield, P.D., see ZEUS-UK Collaboration ... A283 (1989) 477

Shield, P.D., see Harnew, N. A283 (1989) 781
Shoup, A., see Aston, D. A283 (1989) 582
Shoup, A., see Aston, D. A283 (1989) 590
Shul'ginov, A.V., see Berlev, A.I. A283 (1989) 614
Shulman, J., see ZEUS-UK Collaboration A283 (1989) 477
Siegmund, T., see Michel, E. A283 (1989) 544
Siegrist, P., see Brand, C. A283 (1989) 567
Siffert, P., see Samimi, M. A283 (1989) 243
Siffert, P., see Biglari, B. A283 (1989) 249
Siffert, P., B. Biglari, M. Samimi, M. Hage-Ali, J.M. Koebel, R. Nitsche, M. Bruder, R. Dian and R. Schönholz, Characterization of CdTe crystals grown under microgravity conditions A283 (1989) 363
Silberman, E., see Burger, A. A283 (1989) 130
Silberman, E., see Burger, A. A283 (1989) 232
Silvester, I., see ZEUS-UK Collaboration A283 (1989) 477
Simopoulos, C., see Aston, D. A283 (1989) 582
Simopoulos, C., see Aston, D. A283 (1989) 590
Sinclair, F., see Lund, J.C. A283 (1989) 299
Skinner, N., see Steinberg, S. A283 (1989) 123
Skinner, N.L., C. Ortale, M.M. Schieber and L. Van den Berg, Preparation and evaluation of mercuric iodide for crystal growth A283 (1989) 119
Sloof, G.W., see Duijn, J.H. A283 (1989) 803
Smadja, G., see Brand, C. A283 (1989) 567
Smith, G.C., see Debbe, R. A283 (1989) 772
Smith, J.G., see Alexander, J.P. A283 (1989) 519
Smith, S., see ZEUS-UK Collaboration A283 (1989) 477
Smykov, L.P., see Zanevsky, Yu.V. A283 (1989) 462
Snopkov, I.G., see Anashkin, E.V. A283 (1989) 752
Soga, F., see Akei, M. A283 (1989) 46
Sokoloff, M., see Aston, D. A283 (1989) 590
Solodov, E., see Aston, D. A283 (1989) 582
Solodov, E., see Aston, D. A283 (1989) 590
Solodov, E.P., see Anashkin, E.V. A283 (1989) 752
Solomey, N., R. Bouclier, G. Charpak, I. Gouz, D.C. Lamb and F. Sauli, A linear drift chamber readout of a gated multistep avalanche chamber A283 (1989) 673
Sona, P., see Cecchi, A. A283 (1989) 107
Soroko, L.M., see Astakhov, A.Ya. A283 (1989) 13
Spandre, G., see Angelini, F. A283 (1989) 755
Spitzer, H., see Johannsen, K. A283 (1989) 702
Spitzer, H., see Groh, J. A283 (1989) 730
Spreadbury, E., see Anderson, B.E. A283 (1989) 650
Squillante, M.R., see Entine, G. A283 (1989) 282
Squillante, M.R., see Lund, J.C. A283 (1989) 299
Squillante, M.R., G. Entine, E. Frederick, L. Cirignano and T. Hazlett, Development of two new M–π–n CdTe sensors A283 (1989) 323
Stamer, P., see Aston, D. A283 (1989) 582
Stamer, P., see Aston, D. A283 (1989) 590
Stapor, W.J., see Harihar, P. A283 (1989) 62
Starič, M., Analytical approach to the development of charge signals in multiwire proportional chambers A283 (1989) 744
Steeg, F., see Amendolia, S.R. A283 (1989) 573
Stefanini, G., see Amendolia, S.R. A283 (1989) 573
Steinberg, S., I. Kaplan, M. Schieber, C. Ortale, N. Skinner and L. Van den Berg, Total organic carbon and gas chromatography–mass spectroscopy methods to determine total carbon and hydrocarbons in mercuric iodide single crystals A283 (1989) 123
Stephani, D., see Debbe, R. A283 (1989) 772
Stephenson, R., see Bateman, J.E. A283 (1989) 436
Stichelbaut, F., C. Bricman, J. Buytaert, C. De Clercq, L. Etienne, B. Goorens, J. Lemonne, S. Tavernier, C. Van der Velde, W. Van Doninck, L. Van Lancker, J. Wickens, E. Daubie, F. Defontaines, J. Kesteman, O. Pingot and C. Poiret, Performance of the delay lines of the DELPHI forward muon chambers A283 (1989) 792
Stier, H.E., see Fischer, H.M. A283 (1989) 492
Stirling, A., see Alitti, J. A283 (1989) 646
Stockdale, I., see Aston, D. A283 (1989) 582

Stockdale, I., see Aston, D. A283 (1989) 590
Stockhausen, W., see Adler, J. A283 (1989) 679
Strachan, D.E., see ZEUS-UK Collaboration A283 (1989) 477
Straumann, U., see Egli, S. A283 (1989) 487
Struczinski, W., see Grässler, H. A283 (1989) 622
Strüder, L., Recent developments in semiconductor detectors and on-chip electronics A283 (1989) 387
Stulen, R.H., see Felter, T.E. A283 (1989) 195
Suckling, J., see Bateman, J.E. A283 (1989) 436
Suekane, F., see Yamashita, T. A283 (1989) 709
Suffert, M., see Francke, T. A283 (1989) 608
Suita, M. and T. Taguchi, Thermal oxidation of CdTe surfaces and the properties of MOS diodes A283 (1989) 268
Sustavov, A.F., see Berlev, A.I. A283 (1989) 614
Sweet, M.A.S. and J. Rennie, Doped calcium sulphide as a thermoluminescence dosimetry material A283 (1989) 330

Taguchi, T., see Ohba, K. A283 (1989) 265
Taguchi, T., see Suita, M. A283 (1989) 268
Takashima, M., see Amendolia, S.R. A283 (1989) 573
Takeda, F., see Nakatani, H. A283 (1989) 303
Takei, H., see Fujii, Y. A283 (1989) 665
Takeuchi, F., see Akei, M. A283 (1989) 46
Tanaka, K.H., see Akei, M. A283 (1989) 46
Taniguchi, T., see Yamashita, T. A283 (1989) 709
Tapper, R.J., see ZEUS-UK Collaboration A283 (1989) 477
Tatsuyama, C., see Nakatani, H. A283 (1989) 303
Tavernier, S., see Stichelbaut, F. A283 (1989) 792
Tcherniatine, V., see Angelis, A.L.S. A283 (1989) 762
Tejessy, W., see Amendolia, S.R. A283 (1989) 573
Terent'ev, A.I., see Zelenina, N.K. A283 (1989) 274
Terent'ev, A.I., see Zelenina, N.K. A283 (1989) 279
Thiessen, H.A., see Akei, M. A283 (1989) 46
Thomas, J., see Amendolia, S.R. A283 (1989) 573
Thomas, T., see Fujii, Y. A283 (1989) 665
Thorndike, E.H., see Fujii, Y. A283 (1989) 665
Thornhill, J., see Amery, A. A283 (1989) 502
Thorsteinsen, T., see Garabatos, C. A283 (1989) 553
Thorsteinsen, T., see Cherney, M. A283 (1989) 796
Thron, J.L., The Soudan-2 proton decay experiment A283 (1989) 642
Tichomirov, I., see Michel, E. A283 (1989) 544
Tiernan, T., see Entine, G. A283 (1989) 282
Tilquin, A., see Brand, C. A283 (1989) 567
Tkaczyk, S.M., see ZEUS-UK Collaboration A283 (1989) 477
Tkhan, C.D., see Zanevsky, Yu.V. A283 (1989) 462
Toet, D.Z., see Van Apeldoorn, G. A283 (1989) 767
Toge, N., see Aston, D. A283 (1989) 582
Toge, N., see Aston, D. A283 (1989) 590
Toki, W., see Adler, J. A283 (1989) 679
Tomasov, A.A., see Zelenina, N.K. A283 (1989) 274
Tomasov, A.A., see Zelenina, N.K. A283 (1989) 279
Torquati, M.R., see Angelini, F. A283 (1989) 423
Torquati, M.R., see Angelini, F. A283 (1989) 755
Toudup, L.W., see ZEUS-UK Collaboration A283 (1989) 477
Toyama, S., see Akei, M. A283 (1989) 46
Traxler, J., see Garabatos, C. A283 (1989) 553
Traxler, J., see Cherney, M. A283 (1989) 796
Trilling, G.H., see Alexander, J.P. A283 (1989) 519
Truöl, P., see Egli, S. A283 (1989) 487
Truong, K., see Brand, C. A283 (1989) 567
Tsipolitis, G., see Michel, E. A283 (1989) 544
Turlot, J.P., see Brand, C. A283 (1989) 567
Turluer, M., see Brand, C. A283 (1989) 567
Turner, P.R., see Amery, A. A283 (1989) 502
Tysarczyk, G., see Bock, P. A283 (1989) 813

Valdata-Nappi, M., see Bosi, F. ... A283 (1989) 532
Van Apeldoorn, G., D. Langerveld, D.Z. Toet, D. Bloch, M. Dracos, W. Dulinski, D. Husson, P. Juillot, D. Loukas, M. Schaeffer, E. Aria, J.D. Berst, E. Christophel, J.P. Froberger and N. Mayet, Gating the MWPCs of the DELPHI Barrel RICH ... A283 (1989) 767
Van Berg, R., see Newcomer, F.M. ... A283 (1989) 806
Van den Berg, L., see Skinner, N.L. ... A283 (1989) 119
Van den Berg, L., see Steinberg, S. ... A283 (1989) 123
Van den Berg, L., see Burger, A. ... A283 (1989) 130
Van den Berg, L., see Schieber, M. ... A283 (1989) 172
Van den Berg, L., see James, R.B. ... A283 (1989) 188
Van den Berg, L., see Felter, T.E. ... A283 (1989) 195
Van den Berg, L. and W.F. Schnepple, Mercuric iodide crystal growth in space ... A283 (1989) 335
Van der Spiegel, J., see Newcomer, F.M. ... A283 (1989) 806
Van der Velde, C., see Stichelbaut, F. ... A283 (1989) 792
Van Doninck, W., see Stichelbaut, F. ... A283 (1989) 792
Van Eijk, C.W.E., see Hollander, R.W. ... A283 (1989) 448
Van Eijk, C.W.E., see Duijn, J.H. ... A283 (1989) 803
Van Kooten, R., see Boyarski, A. ... A283 (1989) 617
Van Lancker, L., see Stichelbaut, F. ... A283 (1989) 792
Vasilev, S.E., see Zanevsky, Yu.V. ... A283 (1989) 462
Va'vra, J., see Aston, D. ... A283 (1989) 582
Va'vra, J., see Aston, D. ... A283 (1989) 590
Vayaki, A., see Amendolia, S.R. ... A283 (1989) 573
Vegh, J., see Astakhov, A.Ya. ... A283 (1989) 13
Vergezac, P., see Brand, C. ... A283 (1989) 567
Viccaro, J., see Chapman, K. ... A283 (1989) 88
Vick, R., see Johannsen, K. ... A283 (1989) 702
Vilanova, D., see Brand, C. ... A283 (1989) 567
Voltolini, C., see Garabatos, C. ... A283 (1989) 553
Voltolini, C., see Cherney, M. ... A283 (1989) 796
Von der Schmitt, H., see Fischer, H.M. ... A283 (1989) 492
Voyvodic, L., see Naon, R. ... A283 (1989) 24

Wadley, W., see Adler, J. ... A283 (1989) 679
Waer, P., see Entine, G. ... A283 (1989) 282
Wagner, A., see Fischer, H.M. ... A283 (1989) 492
Wagner, C.N.J., see Burger, A. ... A283 (1989) 130
Wagner, C.N.J., see Schieber, M. ... A283 (1989) 172
Wagner, S.R., see Alexander, J.P. ... A283 (1989) 519
Wahl, Ch., see Fischer, H.M. ... A283 (1989) 492
Wallis, E.W., see ZEUS-UK Collaboration ... A283 (1989) 477
Walther, A., see Michel, E. ... A283 (1989) 544
Warburton, W.K., see Bradley, J.G. ... A283 (1989) 348
Wastie, R., see ZEUS-UK Collaboration ... A283 (1989) 477
Wear, J., see Amendolia, S.R. ... A283 (1989) 573
Weber, P., see Alexander, J.P. ... A283 (1989) 519
Wei, Z.Y., see Chen, L.Y. ... A283 (1989) 43
Weidberg, A.R., see Alitti, J. ... A283 (1989) 646
Wells, J., see ZEUS-UK Collaboration ... A283 (1989) 477
Wells, P.S., see Alitti, J. ... A283 (1989) 646
Wenzel, H., see Grässler, H. ... A283 (1989) 622
Westerkamp, G., see Johannsen, K. ... A283 (1989) 702
Whitaker, J., see Aston, D. ... A283 (1989) 582
Whitaker, J., see Aston, D. ... A283 (1989) 590
White, D.J., see ZEUS-UK Collaboration ... A283 (1989) 477
White, D.J., see Harnew, N. ... A283 (1989) 781
White, T.O., see Alitti, J. ... A283 (1989) 646
Whynot, T.M., see Hussein, E.M.A. ... A283 (1989) 100
Wickens, J., see Stichelbaut, F. ... A283 (1989) 792
Wigmans, R., see Hartjes, F.G. ... A283 (1989) 109
Wildman, J., see Brand, C. ... A283 (1989) 567

Wilkinson, L., see Amery, A. ... A283 (1989) 502
Williams, D.A., see Aston, D. ... A283 (1989) 582
Williams, D.A., see Aston, D. ... A283 (1989) 590
Williams, H.H., see Newcomer, F.M. ... A283 (1989) 806
Williams, S., see Aston, D. ... A283 (1989) 582
Williams, S., see Aston, D. ... A283 (1989) 590
Williams, T.D., see Chesi, E. ... A283 (1989) 602
Willins, J.D., see Katayama, N. ... A283 (1989) 539
Willis, W.J., see Angelis, A.L.S. ... A283 (1989) 762
Wilson, F.F., see ZEUS-UK Collaboration ... A283 (1989) 477
Wilson, R.J., see Aston, D. ... A283 (1989) 582
Wilson, R.J., see Aston, D. ... A283 (1989) 590
Winde, M., see Bärwolff, H. ... A283 (1989) 467
Witherell, M., see Aston, D. ... A283 (1989) 582
Witherell, M., see Aston, D. ... A283 (1989) 590
Witzeling, W., see Amendolia, S.R. ... A283 (1989) 573
Wojcik, R., see Bouclier, R. ... A283 (1989) 509
Wojcik, R., see Jibaly, M. ... A283 (1989) 692
Wong, D., see James, R.B. ... A283 (1989) 188
Wood, C., see Adler, J. ... A283 (1989) 679
Wood, D.R., see Alitti, J. ... A283 (1989) 646
Wood, N.C., see Imrie, D.C. ... A283 (1989) 515
Wood, N.C., see Anderson, B.E. ... A283 (1989) 650
Wotton, S.A., see Alitti, J. ... A283 (1989) 646
Wright, R., see Alexander, J.P. ... A283 (1989) 519
Wu, S.L., see Amendolia, S.R. ... A283 (1989) 573
Wünsch, B., see Fischer, H.M. ... A283 (1989) 492

Xia, Y., see Garabatos, C. ... A283 (1989) 553
Xia, Y., see Cherney, M. ... A283 (1989) 796
Xiang, K.H., see Chen, L.Y. ... A283 (1989) 43
Xue, S., see Amendolia, S.R. ... A283 (1989) 573

Yamanoi, Y., see Akei, M. ... A283 (1989) 46
Yamashita, T., H. Kobayashi, A. Konaka, H. Kurashige, K. Miyake, M.M. Morii, T.T. Nakamura, T. Nomura, N. Sasao, Y. Fukushima, M. Nomachi, O. Sasaki, F. Suekane and T. Taniguchi, Measurements of the electron drift velocity and positive-ion mobility for gases containing CF_4 ... A283 (1989) 709
Yañez, A., see Garabatos, C. ... A283 (1989) 553
Yanëz, A., see Cherney, M. ... A283 (1989) 796
Yellin, S., see Aston, D. ... A283 (1989) 582
Yellin, S., see Aston, D. ... A283 (1989) 590
Yelon, W., see Schieber, M. ... A283 (1989) 172
Yeo, K.L., see ZEUS-UK Collaboration ... A283 (1989) 477
Yepes, P., see Garabatos, C. ... A283 (1989) 553
Yepes, P., see Cherney, M. ... A283 (1989) 796
Yin, Z.W., see Chen, L.Y. ... A283 (1989) 43
Yokota, H., see Fujii, Y. ... A283 (1989) 665
Yoshikawa, N., see Akei, M. ... A283 (1989) 46
Young, K.K., see Anderson, B.E. ... A283 (1989) 650
Yu, B., see Debbe, R. ... A283 (1989) 772
Yuda, T., see Zhang, C.S. ... A283 (1989) 78
Yudin, Yu.V., see Anashkin, E.V. ... A283 (1989) 752
Yuta, H., see Aston, D. ... A283 (1989) 582
Yuta, H., see Aston, D. ... A283 (1989) 590

Zaccone, H., see Alitti, J. ... A283 (1989) 646
Zanevsky, Yu.V., C.D. Tkhan, G.A. Cheremukhina, S.P. Chernenko, A.B. Ivanov, S.A. Movchan, T. Netusil, V.D. Peshekhonov, L.P. Smykov and S.E. Vasilev, Recent progress in developments and applications of imaging detectors at LHE, JINR ... A283 (1989) 462
Zarubin, A.V., Properties of wire chamber gases ... A283 (1989) 409
Zavarzin, V.G., see Anashkin, E.V. ... A283 (1989) 752

Zelenina, N.K., S.M. Ignatov, V.P. Karpenko, L.V. Maslova, O.A. Matveev, D.A. Popov, A.I. Terent'ev and A.A. Tomasov, A study of CdTe MSM structures A283 (1989) 274
Zelenina, N.K., V.P. Karpenko, O.A. Matveev, A.I. Terent'ev and A.A. Tomasov, Double injection studies of MSM structures from semi-insulating CdTe crystals with varying concentrations of cadmium vacancies A283 (1989) 279
ZEUS-UK Collaboration: C.B. Brooks, F.W. Bullock, R.J. Cashmore, R.C. Devenish, B. Foster, T.J. Fraser, M.D. Gibson, R.S. Gilmore, D. Gingrich, N. Harnew, J.C. Hart, G.P. Heath, J. Hiddleston, A.R. Holmes, A.K. Jamdagni, T.W. Jones, T.J. Llewellyn, K.R. Long, G.J. Lush, J. Malos, N.C. Martin, I. McArthur, N.A. McCubbin, D. McQuillan, D.B. Miller, M.M. Mobayyen, C. Morgado, J. Nash, G. Nixon, A.G. Parham, B.T. Payne, J.H.C. Roberts, G. Salmon, D.H. Saxon, A.J. Sephton, D. Shaw, T.B. Shaw, P.D. Shield, J. Shulman, I. Silvester, S. Smith, D.E. Strachan, R.J. Tapper, S.M. Tkaczyk, L.W. Toudup, E.W. Wallis, R. Wastie, J. Wells, D.J. White, F.F. Wilson and K.L. Yeo, Development of the ZEUS central tracking detector A283 (1989) 477
Zhang, C.S., M. Shibata, K. Kasahara and T. Yuda, A Monte Carlo calculation of electromagnetic cascade showers over a wide lateral and energy range in lead A283 (1989) 78
Zitoun, R., see Amery, A. A283 (1989) 502
Zybert, R., see Garabatos, C. A283 (1989) 553
Zybert, R., see Cherney, M. A283 (1989) 796

Nuclear Instruments and Methods in Physics Research A283 (1989) 840–846
North-Holland, Amsterdam

SUBJECT INDEX

Accelerators, Beam Handling and Targets

A new ion source for the ISOL system of the TANDAR accelerator, Huck, H., A. Jech, G. Martí, J. Orecchia, M.L. Pérez, M. Ramírez and J.J. Rossi A283 (1989) 1
The truncated double cosine theta superconducting septum magnet, Krienen, F., D. Loomba and W. Meng A283 (1989) 5
Self-supporting ruthenium targets by electroplating (*Letter to the Editor*), Cecchi, A. and P. Sona A283 (1989) 107

Instruments and Methods for High Energy Physics

Meso-optical Fourier transform microscope – A new device for high energy physics, Astakhov, A.Ya., Yu.A. Batusov, Gy.L. Bencze, I. Farago, A. Kisváradi, L. Molnar, L.M. Soroko and J. Vegh A283 (1989) 13
A system for viewing holograms, Naon, R., H. Bjelkhagen, R. Burnstein and L. Voyvodic A283 (1989) 24
Tests of the DELPHI barrel RICH electrical HV insulator, Kalkanis, G., J. Drees, W. Klempt and E. Rosso ... A283 (1989) 37
Positron annihilation study of the radiation effect on doped BGO, Chen, L.Y., K.H. Xiang, Z.Y. Wei, Z.F. He and Z.W. Yin A283 (1989) 43
Scintillating plastic fibres for hadron calorimetry (*Letter to the Editor*), Hartjes, F.G. and R. Wigmans A283 (1989) 109

Proceedings of the Fifth International Wire Chamber Conference Vienna, Austria, February 13–17, 1989

Section I. Plenary talks

Will gaseous detectors become routine tools in biology and medicine?, Charpak, G. A283 (1989) 371
Liquid noble gas and warm liquid detectors, Feltesse, J. A283 (1989) 375
Recent developments in semiconductor detectors and on-chip electronics, Strüder, L. A283 (1989) 387
Software for FASTBUS, Rimmer, E.M. A283 (1989) 399
Properties of wire chamber gases, Zarubin, A.V. A283 (1989) 409

Section II. Applications in medicine, biology, low-energy and X-ray physics

Bone densitometry with a high-speed, high-resolution MWPC, Angelini, F., R. Bellazzini, A. Brez, M.M. Massai and M.R. Torquati A283 (1989) 423
Multiwire proportional chamber for a digital radiographic installation, Baru, S.E., A.G. Khabakhpashev and L.I. Shekhtman A283 (1989) 431
Development studies for a high-rate positron camera based on a BaF_2/TMAE system, Bateman, J.E., J.F. Connolly, R. Stephenson, P.K. Marsden, R.J. Ott and J. Suckling A283 (1989) 436
A high-resolution multiwire area detector for X-ray scattering, Faruqi, A.R. and H. Andrews A283 (1989) 445
Recent developments for a BaF_2/TMAE PET-camera, Hollander, R.W., P. Schotanus and C.W.E. Van Eijk ... A283 (1989) 448
A high-pressure drift chamber for photonuclear experiments, Huthmacher, S., J. Arends, G. Nöldeke and W. Prüfert A283 (1989) 454
Utilizing a position-sensitive wire chamber in sheet density measurements, Laakso, M., J. Koponen and R. Ritala A283 (1989) 459
Recent progress in developments and applications of imaging detectors at LHE, JINR, Zanevsky, Yu.V., C.D. Tkhan, G.A. Cheremukhina, S.P. Chernenko, A.B. Ivanov, S.A. Movchan, T. Netusil, V.D. Peshekhonov, L.P. Smykov and S.E. Vasilev A283 (1989) 462

Section III. Cylindrical chambers

Performance of prototypes of the H1 outer z-drift chamber, Bärwolff, H., U. Gensch, U. Harder, H. Henschel, H. Kaufmann, M. Klein, P. Kostka, H. Lippold, J. Meissner, T. Naumann and M. Winde A283 (1989) 467

0168-9002/89/$03.50 © Elsevier Science Publishers B.V.
(North-Holland Physics Publishing Division)

Radial wire drift chambers for the H1 forward track detector at HERA: design, construction and performance, Beck, G.A., J.B. Dainton, E. Gabathuler, P. Mason, M.T. Matthews, S.J. Maxfield, J.M. Morton, G.D. Patel and D.P.C. Sankey A283 (1989) 471
Development of the ZEUS central tracking detector, ZEUS-UK Collaboration: C.B. Brooks, F.W. Bullock, R.J. Cashmore, R.C. Devenish, B. Foster, T.J. Fraser, M.D. Gibson, R.S. Gilmore, D. Gingrich, N. Harnew, J.C. Hart, G.P. Heath, J. Hiddleston, A.R. Holmes, A.K. Jamdagni, T.W. Jones, T.J. Llewellyn, K.R. Long, G.J. Lush, J. Malos, N.C. Martin, I. McArthur, N.A. McCubbin, D. McQuillan, D.B. Miller, M.M. Mobayyen, C. Morgado, J. Nash, G. Nixon, A.G. Parham, B.T. Payne, J.H.C. Roberts, G. Salmon, D.H. Saxon, A.J. Sephton, D. Shaw, T.B. Shaw, P.D. Shield, J. Shulman, I. Silvester, S. Smith, D.E. Strachan, R.J. Tapper, S.M. Tkaczyk, L.W. Toudup, E.W. Wallis, R. Wastie, J. Wells, D.J. White, F.F. Wilson and K.L. Yeo A283 (1989) 477
Characteristics of the CPLEAR drift chambers, Dejardin, M., J. Derre, J.L. Faure, C. Guyot and G. Marel A283 (1989) 484
The central-inner z-drift chamber of the H1 experiment, Egli, S., C.A. Meyer, P. Robmann, U. Straumann, P. Truöl, R. Eichler and R. Holzreuter A283 (1989) 487
The OPAL jet chamber, Fischer, H.M., H. Hartmann, M. Hauschild, A. Rollnik, S. Schreiber, B. Wünsch, H. Breuker, R.-D. Heuer, J. Ludwig, W. Mohr, F. Röhner, K. Runge, D. Schaile, O. Schaile, H.E. Stier, Ch. Wahl, P. Bock, A. Dieckmann, J.W. Gary, J. Heintze, P. Igo-Kemenes, P. Lennert, H. Von der Schmitt and A. Wagner A283 (1989) 492

Section IV. Drift tubes

The DELPHI outer detector, Amery, A., M. Baubillier, S.F. Biagi, P.S.L. Booth, M. Boratov, L. Brault, J.E. Campagne, L.J. Carroll, L. Cerrito, V. Chorowicz, C. De la Vassiere, L.S. Curwen, D.N. Edwards, S.C. Gawne, C. Geara, J.F. Genat, R. Gokieli, B. Grossetete, M.A.Houlden, J.N. Jackson, B.T. King, S. Palma Lopes, R. Pain, W.H. Range, D.W. Reid, F. Rossel, J. Thornhill, P.R. Turner, L. Wilkinson and R. Zitoun .. A283 (1989) 502
Recent developments of the multidrift tube, Bouclier, R., J. Gaudaen, I. Gouz, B. Guerard, J.C. Santiard, F. Sauli and R. Wojcik A283 (1989) 509
An array of proportional tubes for the location of electromagnetic showers in the OPAL forward detectors, Imrie, D.C., S.J. Hall, D.J. Miller, P. Sherwood and N.C. Wood A283 (1989) 515

Section V. Vertex detectors

The MARK-II vertex drift chamber, Alexander, J.P., R. Baggs, D. Fujino, K. Hayes, C. Hoard, N. Hower, D. Hutchinson, J.A. Jaros, D. Koetke, L.A. Kowalski, C.T. Munger, T. Ohama, M.L. Perl, R. Wright, P.S. Drell, R. Fuzesy, R. Harr, J.F. Kral, J.D. Richman, B.A. Schumm, G.H. Trilling, W.T. Ford, D.A. Hinshaw, J.G. Smith, S.R. Wagner and P. Weber A283 (1989) 519
Vertex chamber for the KEDR detector, Aulchenko, V.M., A.G. Chilingarov, G.M. Kolachev, O.B. Lazarenko, V.P. Nagaslaev and L.V. Romanov A283 (1989) 528
Performance of the UA2 jet vertex detector at the CERN Collider, Bosi, F., G. Carboni, V. Cavasinni, F. Costantini, T. Del Prete, E. Iacopini, S. Lami, P. Lariccia, M. Morganti, C. Petridou, D. Rizzi, A. Sassu and M. Valdata-Nappi A283 (1989) 532
Test installation of a 2.3 cm radius beam pipe and vertex drift chamber in CLEO at CESR, Katayama, N., E. Cheu, R. DeSalvo, P.S. Drell, S.W. Gray, N.B. Mistry, A. Jawahery and J.D. Willins A283 (1989) 539
The ARGUS microvertex drift chamber, Michel, E., W. Schmidt-Parzefall, R.D. Appuhn, J. Buchmüller, H. Kolanoski, B. Kreimeier, A. Lange, T. Siegmund, A. Walther, K.W. Edwards, R.C. Fernholz, H. Kapitza, D.B. MacFarlane, M. O'Neill, J.A. Parsons, J.D. Prentice, S.C. Seidel, G. Tsipolitis, S. Ball, A. Babaev, M. Danilov and I. Tichomirov A283 (1989) 544

Section VI. Time projection chambers

A TPC in the context of heavy-ion collisions, Garabatos, C., representing the NA36 Collaboration: P. Álvarez de Lara, E. Andersen, P.D. Barnes, R. Blaes, H. Braun, J.M. Brom, B. Castaño, M. Cherney, M. Cohler, B. De la Cruz, G.E. Diebold, C. Fernández, G. Franklin, C. Garabatos, J.A.Garzón, W.M. Geist, D.E. Greiner, C.R. Gruhn, M. Hafidouni, M. Heiden, C.P. De los Heros, J. Hubrec, D. Huss, J.L. Jacquot, P.G. Jones, J.P.M. Kuipers, P. Ladrón de Guevara, D. Liko, G. Lovhoiden, J. MacNaughton, A. Michalon, M.E. Michalon-Mentzer, J. Mosquera, Z. Natkaniec, J.M. Nelson, G. Neuhofer, M. Pló, P. Port, B. Powell, B. Quinn, A. Ramil, J.L. Riester, H. Rohringer, G. Sakrejda, I. Sakrejda, R. Schumacher, T. Thorsteinsen, J. Traxler, C. Voltolini, Y. Xia, A. Yañez, P. Yepes and R. Zybert A283 (1989) 553
Modular TPCs for relativistic heavy-ion experiments, Etkin, A., S.E. Eiseman, K.J. Foley, R.W. Hackenburg, R.S. Longacre, W.A. Love, T.W. Morris, E.D. Platner, A.C. Saulys, S.J. Lindenbaum, C.S. Chan, M.A. Kramer, T.J. Hallman, L. Madansky, B.E. Bonner, J.A. Buchanan, C.N. Chiou, J.M. Clement,M.D. Corcoran, N. Krishna, J.W. Kruk, H.E. Miettinen, G.S. Mutchler, F. Nessi-Tedaldi, M. Nessi, G.C. Phillips and J.B. Roberts A283 (1989) 557

The DELPHI time projection chamber, Brand, C., S. Cairanti, P. Charpentier, D. Delikaris, P. Delpierre, H. Foeth, B.W. Heck, H.J. Hilke, A. Sancho, J. Wildman, C. Aubret, P. Billoir, C. Boutonnet, P. Courty, M. Crozon, A. Diaczek, J. Mas, L. Mathis, G. Saget, A. Tilquin, J.P. Turlot, P. Vergezac, P. Antilogus, J.E. Augustin, M. Gaillard, M.H. Gros, A. Hrisoho, B. Jean-Marie, V. Lepeltier, J.M. Noppe, F. Richard, K. Truong, T. Bolognese, P. Borgeaud, M. Debeer, G. Goujon, M. Gros, P. Jarry, M. Mur, J.C. Raoul, V. Ruhlmann, Y. Sacquin, P. Siegrist, G. Smadja, M. Turluer, D. Vilanova, G. Darbo, O. Bärring, G. Jarlskog, S. Käck, B. Lorstadt and U. Mjörnmark A283 (1989) 567

The spatial resolution of the ALEPH TPC, Amendolia, S.R., T. Barczewski, L.A.T. Bauerdick, E. Blucher, W. Blum, J. Boudreau, D. Cinabro, M.A. Ciocci, J. Conway, D.F. Cowen, F. Fidecaro, B. Gobbo, A. Halley, S. Haywood, A. Jahn, R. Johnson, M. Kasemann, U. Larsson, B. Leclaire, I. Lehraus, T. Lohse, A. Lusiani, P.S. Marrocchesi, J. May, E. Milotti, A. Minten, J. Richstein, R. Richter, S. Roehn, L. Rolandi, D. Schlatter, M. Schmelling, R. Settles, G. Stefanini, F. Steeg, M. Takashima, W. Tejessy, J. Thomas, A. Vayaki, J. Wear, W. Witzeling, S.L. Wu and S. Xue A283 (1989) 573

TPC tracking inside a Cherenkov detector, Nemethy, P., J. Kotcher, D. Nesic, T. Edberg, P. Oddone, L. Baksay, R. Magahiz, Z. Egyed and R. Kofler A283 (1989) 578

Section VII. Cherenkov ring-imaging detectors

Development and construction of the SLD Cherenkov ring-imaging detector, Aston, D., A. Bean, T. Bienz, F. Bird, D. Caldwell, M. Cavalli-Sforza, P. Coyle, D. Coyne, S. Dasu, W. Dunwoodie, G. Hallewell, K. Hasegawa, J. Huber, P. Jacques, R.A. Johnson, H. Kawahara, P. Korff, Y. Kwon, D. Leith, A. Lu, J. Martinez, L.Mathys, S. McHugh, B. Meadows, M. Nussbaum, R. Morrison, R. Plano, B. Ratcliff, P. Rensing, D. Schultz, S. Shapiro, A. Shoup, C. Simopoulos, E. Solodov, P. Stamer, I. Stockdale, N. Toge, J. Va'vra, D.A. Williams, S. Williams, M. Witherell, R.J. Wilson, J. Whitaker, S. Yellin and H. Yuta A283 (1989) 582

Development of the CRID single-electron wire detector, Aston, D., A. Bean, T. Bienz, F. Bird, D. Caldwell, M. Cavalli-Sforza, P. Coyle, D. Coyne, S. Dasu, W. Dunwoodie, G. Hallewell, K. Hasegawa, J. Huber, P. Jacques, R.A. Johnson, H. Kawahara, Y. Kwon, D. Leith, A. Lu, J. Martinez, L. Mathys, S.McHugh, B. Meadows, M. Nussbaum, R. Morrison, R. Plano, B. Ratcliff, P. Rensing, D. Schultz, S. Shapiro, A. Shoup, C. Simopoulos, M. Sokoloff, E. Solodov, P. Stamer, I. Stockdale, N. Toge, J. Va'vra, D.A. Williams, S. Williams, M. Witherell, R.J. Wilson, J. Whitaker, S. Yellin and H. Yuta A283 (1989) 590

A gamma ring-imaging telescope for high-energy photon detection, Charpak, G., W. Dominik, Y. Giomataris, A. Gougas and F. Sauli A283 (1989) 596

Fast RICHdetector using a MWPC at atmospheric pressure with a pad structure readout by VLSI circuits, Chesi, E., P. Martinengo, F. Piuz and T.D. Williams A283 (1989) 602

RICH counter using a solid radiator and a low pressure MWPC, Francke, T. and M. Suffert A283 (1989) 608

Section VIII. Spectrometers, particle identification, calorimetry

Beam identifier, Avundjian, A.T., S.A. Kankanian, A.G. Oganessian and L.M. Petrossian A283 (1989) 612

The AMPIR spectrometer drift chamber for studying pion–nucleus reactions, Berlev, A.I., V.A. Krasnov, V.I. Kovinsky, O.O. Patarakin, M.A. Prokhvatilov, A.F. Sustavov and A.V. Shul'ginov A283 (1989) 614

Particle identification using dE/dx in the MARK II detector at the SLC, Boyarski, A., D.P. Coupal, G.J. Feldman, G. Hanson, J. Nash, K.F. O'Shaughnessy, P. Rankin and R. Van Kooten A283 (1989) 617

Simultaneous track reconstruction and electron identification in the H1 radial drift chambers, Grässler, H., S. Masson, H. Nierobisch, W. Pilgram, S. Schulte, W. Struczinski, H. Wenzel, G.A. Beck, J.B. Dainton, E. Gabathuler, P. Mason, S.J. Maxfield, J.M. Morton, G.D. Patel and D.P.C. Sankey A283 (1989) 622

Particle identification by low-efficiency "thin" chambers, Gurzhiev, A.N., V.I. Kryshkin and L.L. Kurchaninov A283 (1989) 628

Results from a full-scale UA1 uranium–TMP calorimeter module, Krammer, M. A283 (1989) 630

A lead-glass drift calorimeter with high granularity, Bollini, D., F.R. Cavallo, P. Giusti, F.-L. Navarria, T. Rovelli, A. Del Guerra, A. Bandettini, M. Conti, P. Lauriola, P. Maiano, C. Rizzo and D. Rizzi A283 (1989) 635

The Soudan-2 proton decay experiment, Thron, J.L. A283 (1989) 642

Section IX. Diverse chambers

Performance of the UA2 scintillating-fibre detector, Alitti, J., R.E. Ansorge, P. Bareyre, G. Blaylock, P. Bonamy, C.N. Booth, J. Crittenden, R.S. DeWolf, J. Dupont, K. Einsweiler, C. Engster, J.-M. Gaillard, K. Hultqvist, M. Lefebvre, L. Linssen, J.-P. Meyer, D.J. Munday, J.M. Pentney, J.G. Rushbrooke, A. Stirling, A.R. Weidberg, P.S. Wells, D.R. Wood, S.A Wotton, T.O. White and H. Zaccone A283 (1989) 646

Compact drift-chambers for the OPAL forward detectors, Anderson, B.E., D.J. Attree, A. Charalambous, R. Cranfield, M. Cresswell, G. Crone, G.M. Dallavalle, M. Dryburgh, B.W. Kennedy, D. Hayes, L. Marradi, D.J. Miller, P. Sherwood, E. Spreadbury, N.C. Wood and K.K. Young A283 (1989) 650

Performance of resistive plate counters at beam flux up to 140 Hz/cm^2, Bertino, M., R. Cardarelli, M. Iori, F. Massa, R. Santonico, P. Bernardini, E. Gorini, F. Grancagnolo, O. Palamara, C. Pinto, G. Bressi, G. Introzzi, A. Lanza and G. Liguori A283 (1989) 654
Beam test of an imaging high-density projection chamber, Fonte, P., A. Breskin, G. Charpak, W. Dominik and F. Sauli A283 (1989) 658
An X-ray detector as a detector for electron identification, Fujii, Y., K. Abe, S. Eno, D.H. Han, H. Harada, Y. Higashi, Y. Ishi, T. Ishizuka, H. Miyata, K. Ohta, D.R. Perticone, R. Poling, N.M. Shaw, H. Takei, T. Thomas, E.H. Thorndike and H. Yokota A283 (1989) 665
A linear drift chamber readout of a gated multistep avalanche chamber, Solomey, N., R. Bouclier, G. Charpak, I. Gouz, D.C. Lamb and F. Sauli A283 (1989) 673

Section X. Gas, aging

Study of straw chamber lifetime with argon ethane, Adler, J., T. Bolton, K. Bunnell, E. Cheu, C. Grab, G. Mazaheri, A. Odian, D. Pitman, W. Stockhausen, W. Toki, W. Wadley, C. Wood and R. Mir A283 (1989) 679
Mini drift chambers: operation with various gas mixtures, Erin, S.V., A.A. Derevshchikov, A.A. Morosov, V.K. Myalitsin and V.I. Shelihov A283 (1989) 682
Long electron drift in TMAE-doped gas in the Barrel RICH detector, Hahn, F., S. Haider, W. Klempt, D. Langerveld and E. Rosso A283 (1989) 686
The aging of wire chambers filled with dimethyl ether: wire and construction materials and freon impurities, Jibaly, M., S. Majewski, P. Chrusch Jr., R. Wojcik, F. Sauli and J. Gaudaen A283 (1989) 692
A comparison of argon and xenon gas mixtures in a small drift chamber, Johannsen, K., E. Schenuit, H. Spitzer, R. Vick and G. Westerkamp A283 (1989) 702
Photosensitive mixtures in the SQS mode, Ribeiro, R.S., E.P. De Lima, R. Ferreira Marques, M.A.F. Alves and A.J.P.L. Policarpo A283 (1989) 705
Measurements of the electron drift velocity and positive-ion mobility for gases containing CF_4, Yamashita, T., H. Kobayashi, A. Konaka, H. Kurashige, K. Miyake, M.M. Morii, T.T. Nakamura, T. Nomura, N. Sasao, Y. Fukushima, M. Nomachi, O. Sasaki, F. Suekane and T. Taniguchi A283 (1989) 709

Section XI. Simulations

A multiterm Boltzmann analysis of drift velocity, diffusion, gain and magnetic-field effects in argon–methane–water-vapour mixtures, Biagi, S.F. A283 (1989) 716
Wire- and cathode pulses in a counter of square cross section with a thin wire as central conductor operating in limited streamer mode, Carli, Ch., Ch. Erd, G. Leder, M. Pernicka, M. Regler and B. Schnizer A283 (1989) 723
Computer simulation of the electron avalanche in cylindrically symmetric electric fields, Groh, J., E. Schenuit and H. Spitzer A283 (1989) 730
Wire chamber requirements and tracking simulation studies for tracking systems at the Superconducting Super Collider, Hanson, G.G., B.B. Niczyporuk and A.P.T. Palounek A283 (1989) 735
Analytical approach to the development of charge signals in multiwire proportional chambers, Starič, M. A283 (1989) 744

Section XII. Techniques and methods

A coordinate system of the CMD-2 detector, Anashkin, E.V., V.M. Aulchenko, S.E. Baru, V.E. Fedorenko, G.V. Fedotovich, B.I. Khazin, G.A. Savinov, I.G. Snopkov, E.P. Solodov, V.G. Zavarzin and Yu.V. Yudin A283 (1989) 752
A microstrip gas avalanche chamber with two-dimensional readout, Angelini, F., R. Bellazzini, A. Brez, M.M. Massai, G. Spandre and M.R. Torquati A283 (1989) 755
Test results with a novel high-resolution wire chamber with interpolative pad readout, Angelis, A.L.S., H. Beker, J.C. Berset, G. Di Tore, C.W. Fabjan, U. Goerlach, C. Leroy, M. Price, V. Radeka, B. Sellden, V. Tcherniatine and W.J. Willis A283 (1989) 762
Gating the MWPCs of the DELPHI Barrel RICH, Van Apeldoorn, G., D. Langerveld, D.Z. Toet, D. Bloch, M. Dracos, W. Dulinski, D. Husson, P. Juillot, D. Loukas, M. Schaeffer, E. Aria, J.D. Berst, E. Christophel, J.P. Froberger and N. Mayet A283 (1989) 767
A MWPC with highly segmented cathode pad readout, Debbe, R., J. Fischer, D. Lissauer, T. Ludlam, D. Makowiecki, V. Radeka, S. Rescia, G.C. Smith, D. Stephani and B. Yu A283 (1989) 772
Time and positioning characteristics of the SQS mode, De Fraga, F.A.F., R. Ferreira Marques and A.J.P.L. Policarpo A283 (1989) 778
The technique of z-coordinate determination using a time-difference measurement for the ZEUS central tracking detector, Harnew, N., J. Nash, G.L. Salmon, P.D. Shield, M.D. Jeffs, A.G. Parham and D.J. White . A283 (1989) 781
Organometallic photocathodes for parallel-plate and wire chambers, Peskov, V., G. Charpak, F. Sauli, D. Scigocki, V. Diep and D. Janjic A283 (1989) 786

Performance of the delay lines of the DELPHI forward muon chambers, Stichelbaut, F., C. Bricman, J. Buytaert, C. De Clercq, L. Etienne, B. Goorens, J. Lemonne, S. Tavernier, C. Van der Velde, W. Van Doninck, L. Van Lancker, J. Wickens, E. Daubie, F. Defontaines, J. Kesteman, O. Pingot and C. Poiret A283 (1989) 792

Section XIII. Electronics

High-speed readout for a time projection chamber in the NA36 data acquisition system, Cherney, M., representing the NA36 Collaboration: P. Álvarez de Lara, E. Andersen, P.D. Barnes, R. Blaes, H. Braun, J.M. Brom, B. Castaño, M. Cherney, M. Cohler, B. De la Cruz, G.E. Diebold, C. Fernández, G. Franklin, C. Garabatos, J.A. Garzón, W.M. Geist, D.E. Greiner, C.R. Gruhn, M. Hafidouni, M. Heiden, C.P. De los Heros, J. Hubrec, D. Huss, J.L. Jacquot, P.G. Jones, J.P.M. Kuipers, P. Ladrón de Guevara, D. Liko, G. Lovhoiden, J. MacNaughton, A. Michalon, M.E. Michalon-Mentzer, J. Mosquera, Z. Natkaniec, J.M. Nelson, G. Neuhofer, M. Pló, P. Porth, B. Powell, B. Quinn, A. Ramil, J.L. Riester, H. Rohringer, G. Sakrejda, I. Sakrejda, R. Schumacher, T. Thorsteinsen, J. Traxler, C. Voltolini, Y. Xia, A. Yanēz, P. Yepes and R. Zybert A283 (1989) 796

The L3 energy trigger, Bizzarri, R., F. Cesaroni, S. Gentile, G. Lunadei, M. Fukushima, G. Herten and T. Hebbeker A283 (1989) 799

A hardware readout system for a curved one-dimensional position-sensitive proportional counter, Duijn, J.H., C.W.E. Van Eijk, R.W. Hollander, R. Kreuger and G.W. Sloof A283 (1989) 803

High-speed bipolar integrated circuits for SSC applications, Newcomer, F.M., R. Van Berg, J. Van der Spiegel and H.H. Williams A283 (1989) 806

Development of radiation-hard front-end electronics at UC Santa Cruz, Sadrozinski, H.F.-W. A283 (1989) 810

Section XIV. Software

Fast on-line pattern recognition in a microprocessor farm, Bock, P. and G. Tysarczyk A283 (1989) 813

Instruments and Methods for Nuclear Spectroscopy

A broad range spectrometer PIK for medium-energy meson spectroscopy, Akei, M., J.F. Amann, J. Chiba, H. Ejiri, M. Fukuda, T. Fukuda, O. Hashimoto, S. Homma, T. Irie, Y. Iseki, A. Kashitani, S. Kato, K. Kimura, T. Kishimoto, K. Maeda, Y. Matsuyama, J.A. McGill, T. Nagae, H. Nagasawa, C. Nagoshi, M. Nomachi, H. Noumi, H. Ohsumi, K. Okuda, K. Omata, H. Sano, O. Sasaki, T. Shibata, F. Soga, F. Takeuchi, H.A. Thiessen, S. Toyama, K.H. Tanaka, Y. Yamanoi and N. Yoshikawa A283 (1989) 46

A new display type hemispherical mirror analyzer for photoelectron spectroscopy, Hu, X.M. and G.V. Marr A283 (1989) 57

Rise time spectroscopy of nuclear radiations in a CsI(Tl) scintillator, Harihar, P., A.R. Knudson, W.J. Stapor and A.B. Campbell A283 (1989) 62

A new approach to magnetic spectrometers, Betker, A.C. and C.A. Gagliardi A283 (1989) 67

Nuclear Electronics

Compound Semiconductors for Room Temperature X-Ray and Nuclear Detectors

Mercuric iodide materials research: some recent developments and open problems, Piechotka, M. and E. Kaldis A283 (1989) 111

Preparation and evaluation of mercuric iodide for crystal growth, Skinner, N.L., C. Ortale, M.M. Schieber and L. Van den Berg A283 (1989) 119

Total organic carbon and gas chromatography–mass spectroscopy methods to determine total carbon and hydrocarbons in mercuric iodide single crystals, Steinberg, S., I. Kaplan, M. Schieber, C. Ortale, N. Skinner and L. Van den Berg A283 (1989) 123

A study of mercuric iodide near melting using differential scanning calorimetry, Raman spectroscopy and X-ray diffraction, Burger, A., S. Morgan, H. Jiang, E. Silberman, M. Schieber, L. Van den Berg, L. Keller and C.N.J. Wagner A283 (1989) 130

The vapour transport mechanism during crystallization of HgI_2 in closed ampoules, Conder, K. and J. Laskowski A283 (1989) 138

α-HgI_2 platelets technology, Przyłuski, J. and J. Laskowski A283 (1989) 144

Differential scanning calorimetry and scanning cathodoluminescence microscopy study of doped α-HgI_2 crystals, Nicolau, Y.F., M. Dupuy and Z. Kabsch A283 (1989) 149

Positron annihilation in α-HgI_2, Nicolau, Y.F., P. Moser and C. Corbel A283 (1989) 167

Correlation between mercuric iodide detector performance and crystalline perfection, Schieber, M., C. Ortale, L. Van den Berg, W. Schnepple, L. Keller, C.N.J. Wagner, W. Yelon, F. Ross, G. Georgeson and F. Milstein .. A283 (1989) 172
Optical detection of impurities and defects in detector-grade mercuric iodide, James, R.B., D.K. Ottesen, D. Wong, T.E. Schlesinger, W.F. Schnepple, C. Ortale and L. Van den Berg A283 (1989) 188
Rutherford backscattering and Auger spectroscopy of mercuric iodide detectors, Felter, T.E., R.H. Stulen, W.F. Schnepple, C. Ortale and L. Van den Berg A283 (1989) 195
$I(t)$, $I(V)$ and surface effect studies of vapor grown and solution grown HgI_2 detectors, Mellet, J. and A. Friant A283 (1989) 199
Advances in mercuric iodide X-ray detectors and low noise preamplification systems, Iwanczyk, J.S. A283 (1989) 208
Developments in mercuric iodide gamma ray imaging, Patt, B.E., A.G. Beyerle, R.C. Dolin and C. Ortale A283 (1989) 215
Pulse filtering techniques for mercuric iodide gamma ray detectors, Gerrish, V.M. and A.G. Beyerle A283 (1989) 220
HgI_2 detectors for Pu contamination monitoring and radiological protection measurements, Friant, A., J. Mellet, G. Barrandon and E. Csakvary A283 (1989) 227
The photocapacitance of the HgI_2/electrolyte system, Burger, A., W. Shi, E. Silberman, L. Franks and W.F. Schnepple A283 (1989) 232
Comparison of transparent conducting electrodes on mercuric iodide photocells, Markakis, J.M. and A.Y. Cheng A283 (1989) 236
Optoelectronic switches on the basis of mercuric iodide, Braatz, U., R. Krahl, J. Kunsch, K. Prokert and P. Klinger A283 (1989) 240
Structural defects in high resistivity cadmium telluride, Samimi, M., B. Biglari, M. Hage-Ali, J.M. Koebel and P. Siffert A283 (1989) 243
The interaction of copper with structural defects in THM grown cadmium telluride, Biglari, B., M. Samimi, M. Hage-Ali, J.M. Koebel and P. Siffert A283 (1989) 249
Characterization of high resistivity CdTe using acoustoelectric methods, Rosenzweig, J., M. Adolf, H. Dignus and U. Birkholz A283 (1989) 255
Fermi level pinning in the middle of the band gap in CdTe:Cl crystals: role of deep localized states, Agrinskaya, N.V. and E.N. Arkadeva A283 (1989) 260
On the close compensation mechanism in CdTe(Li, Cl) crystals, Agrinskaya, N.V. and O.A. Matveev A283 (1989) 263
Photoluminescence of CdTe crystals annealed in Hg, Ohba, K., Y. Hiratate, T. Taguchi and A. Hiraki A283 (1989) 265
Thermal oxidation of CdTe surfaces and the properties of MOS diodes, Suita, M. and T. Taguchi A283 (1989) 268
A study of CdTe MSM structures, Zelenina, N.K., S.M. Ignatov, V.P. Karpenko, L.V. Maslova, O.A. Matveev, D.A. Popov, A.I. Terent'ev and A.A. Tomasov A283 (1989) 274
Double injection studies of MSM structures from semi-insulating CdTe crystals with varying concentrations of cadmium vacancies, Zelenina, N.K., V.P. Karpenko, O.A. Matveev, A.I. Terent'ev and A.A. Tomasov A283 (1989) 279
Survey of CdTe nuclear detector applications, Entine, G., P. Waer, T. Tiernan and M.R. Squillante A283 (1989) 282
Advantages and limitations of cadmium selenide room temperature gamma ray detectors, Roth, M. A283 (1989) 291
Properties of lead iodide semiconductor radiation detectors, Lund, J.C., K.S. Shah, M.R. Squillante, L.P. Moy, F. Sinclair and G. Entine A283 (1989) 299
GaSe nuclear particle detectors, Nakatani, H., E. Sakai, C. Tatsuyama and F. Takeda A283 (1989) 303
Mésures picoseconde avec des couches polycrystallines de CdTe photoconducteur, Cuzin, M., C. Pierrat and E. Rossa A283 (1989) 310
Picosecond GaAs X- and gamma-ray photodetectors, Friant, A., C. Saliou, R. Galli and S. Barday A283 (1989) 318
Development of two new M–π–n CdTe sensors, Squillante, M.R., G. Entine, E. Frederick, L. Cirignano and T. Hazlett A283 (1989) 323
Doped calcium sulphide as a thermoluminescence dosimetry material, Sweet, M.A.S. and J. Rennie A283 (1989) 330
Mercuric iodide crystal growth in space, Van den Berg, L. and W.F. Schnepple A283 (1989) 335
HgI_2 nucleation experiments performed in the SL1 and SL3 (space laboratory) flights, Cadoret, R., P. Brisson and A. Magnan A283 (1989) 339
Practical application of HgI_2 detectors to a space-flight scanning electron microscope, Bradley, J.G., J.M. Conley, A.L. Albee, J.S. Iwanczyk, A.J. Dabrowski and W.K. Warburton A283 (1989) 348
Development of mercuric iodide X-ray and alpha backscattering spectrometers for space applications, Economou, T. and J. Iwanczyk A283 (1989) 352
Study of α-HgI_2 crystals grown in space by differential scanning calorimetry, scanning cathodoluminescence microscopy and optical microscopy, Nicolau, Y.F. and M. Dupuy A283 (1989) 355
Characterization of CdTe crystals grown under microgravity conditions, Siffert, P., B. Biglari, M. Samimi, M. Hage-Ali, J.M. Koebel, R. Nitsche, M. Bruder, R. Dian and R. Schönholz A283 (1989) 363

Numerical and Data Analysis

Comparison among methods for calculating FWHM, Markevich, N. and I. Gertner A283 (1989) 72

Dosimetry, Space Radiation and Medical Applications

A Monte Carlo calculation of electromagnetic cascade showers over a wide lateral and energy range in lead, Zhang, C.S., M. Shibata, K. Kasahara and T. Yuda A283 (1989) 78

Synchrotron Radiation Research

Modelling of undulator sources, Chapman, K., B. Lai, F. Cerrina and J. Viccaro A283 (1989) 88

Special Applications

A Compton scattering method for inspecting concrete structures, Hussein, E.M.A. and T.M. Whynot A283 (1989) 100

Letters to the Editor

Self-supporting ruthenium targets by electroplating, Cecchi, A. and P. Sona A283 (1989) 107
Scintillating plastic fibres for hadron calorimetry, Hartjes, F.G. and R. Wigmans A283 (1989) 109